

Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.

62.47

INDEXED.

APR 20 1914

"Ygb."

INDEXED.

YOUNG'S GARDEN BOOK

SEASON OF 1914

INDEXED.



Madame Caroline Testout Rose—A mass of color during the entire Rose season
(See second cover for description)

ESTABLISHED 1865

INCORPORATED 1867

YOUNG'S SEED STORE

1406 OLIVE STREET

ST. LOUIS, MISSOURI



GRUSS AN TEPLITZ

Our Front Cover Design—

Madame Caroline Testout Rose

ONCE again we have chosen this variety to lead our Roses, and those who have planted it in their gardens will understand why we place such confidence in the merits of this Rose.

Without doubt, Madame Caroline Testout Rose bears more flowers during the blooming season than any other pink Rose. Seldom is there a day in summer when the plant is not resplendent with the beautiful blooms. The color is a delicate pink, with the edges of the petals tipped with silver.

The plant is of compact, bushy growth, with dark green foliage growing thickly on strong stems. It has all the characteristics of the best bedding Roses, and is a favorite variety with amateurs and experts who have it in their gardens.

Price, 15 cts. each, \$1.50 per doz., postpaid; second size, 25 cts. each, \$2.50 per doz.; third size, 50 cts. each, \$5 per doz. The larger sizes must go by express, at purchaser's expense.

Gruss an Teplitz Rose

ONE of the handsomest crimson Roses for garden culture that we catalogue.

It is hard to equal, and being a profuse bloomer, with a delightful tea fragrance, it is extensively planted. This variety is in great demand for bordering walks, and can also be used to advantage as a hedge. Being in flower all summer, it never fails to attract the attention and admiration of all who see it. The illustration gives an accurate idea of how the flowers appear when in bud, partly opened and in full bloom. The foliage is also accurately depicted.

Price, 15 cts. each, \$1.50 per doz., postpaid; second size, 25 cts. each, \$2.50 per doz.; third size, 50 cts. each, \$5 per doz. The two larger sizes must go by express, at purchaser's expense.

A Letter for You



Growers of
Roses
Orchids
Violets
and
Plants

C. Young & Sons' Co.

TWO STORES ONLY

1406 OLIVE ST.

5504 WATERMAN AVE.

BOTH PHONES

Everything for the Garden

Artistic
Designers
and
Decorators

St. Louis, _____ SPRING _____ 1914.

Greetings to my New and Old Friends.

It surely is a pleasure to be with you again. I could hardly wait until the summer and winter had passed, so I could put on my new Spring dress and make my annual visit to your home. Some of those I visited last year have passed to the Great Beyond, but others have taken their places and I hope to fill my mission to them just as well.

Way back in the '90s I was a wee bit of a book, and visited only a few homes, probably that of your mother's or grandmother's, but since then I have grown and grown until -- well, it takes a large book now to contain the wealth of information that will be found upon my pages.

During last summer, I had occasion to visit cities and towns in this state and others, and noticed that barely one-half of the homes, have more than an occasional shrub or flower-bed planted in their yards. Why this state of things exists, is hard to say, as we all realize the influence of pretty flowers and shrubs -- how they give that "homey" effect so much desired.

Now if your home grounds is one of those of which I speak, won't you sit down and order some plants to brighten things up -- don't put it off until tomorrow -- do it now. If you are in doubt as to which variety to order -- write us. We are never too busy to give our friends and customers any information they may desire.

Now, dear friends, attached in this book, you will find an order blank, ruled, printed and everything to add to your convenience in ordering. After reading over these sixty-three pages, select what you want -- talk it over with the family -- fill out the blank -- mail it to us, and they will send you the best stock for the money in America.

Oh! There goes that printer again, telling me to hurry and finish this letter, if I want to reach you in time to be read in front of a comfy grate fire, so goodbye, good luck and success in your garden for 1914.

Your Friend,

Young's Garden Book.

Some Hints Making It Easier for You to Order and Easier for Us to Fill Your Orders Quickly

Every order received will be shipped at once, unless notified otherwise. Our entire organization is formed with that one purpose in view, viz., to get the orders out promptly. Below will be given a few hints in regard to ordering, etc., which, if followed, will greatly facilitate matters.

Free Delivery. On small quantities of vegetable and flower seeds, our prices cover free delivery by mail or express. This applies to all seeds by the packet, ounce or quarter-pound, and to peas, beans and corn by the pint or quart. If our prices appear high, consider that our seeds are of exceptional quality, and the prices on the above lots include free delivery to your door.

Sign Your Full Name and Address. Write your name and address plainly. We can generally make out the name of a plant or seed when it is misspelled or written poorly, but with your name it is different. If you write your name plainly, it will save trouble in shipping.

How to Send Money. Do not remit in loose silver, unless it is well wrapped in heavy paper, and it must come at your risk. The proper way is by post-office or express money order, bank draft, or, if you reside within 100 miles of St. Louis, your personal check will be acceptable. Stamps accepted for amounts of \$1 and less.

When to Order. We are prepared to ship all orders immediately, except some varieties of plants which are not seasonable in the early part of our shipping season. If you wish, we will hold these for shipment at the proper time. Advise us to that effect in your order.

Orders are Promptly Filled. In case of necessary delay you will be notified at once. If you do not hear from us in regard to your order within a reasonable time, write us, tell us how the order was sent, a copy of the order and how it was to be shipped,

your name and shipping point. Cover all these points in your first letter, and we will trace the order at once, and will do everything in our power to get the goods to you promptly, even though the fault does not lie with us.

Free Packing. We make no charges for boxes, sacks, barrels or packing. This means another saving for you, as some firms charge for packing.

Mistakes. You know how vexatious an error is of any kind; well, don't go and get angry about it, and put us down as the biggest frauds there are, but sit down and write us a letter, explaining the exact nature of the complaint. You never yet saw the time that we didn't live up to our reputation for fair dealing, and make the matter right to your entire satisfaction.

Disclaimer

While we exercise extreme care in the filling of all orders for seeds, bulbs and plants, they are, after being put in the ground, subject to climatic conditions over which we have no control; therefore, C. Young & Sons Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

We Advise Shipping by Express

By the time this book reaches you the big reduction in express rates will be in effect, making a considerable saving in shipping expense. We advise this method, wherever possible, as more soil can be left on the roots of the plants, which has considerable to do with their thriving. If not feasible to send by express, why then we will send by parcel post. The weight limit is twenty pounds, and the old postage rates apply. Parcel post is the means of bringing plants and seeds to those who heretofore refrained from ordering on account of the inconvenience of delivering. We can now reach you, no matter where you live, even if in a log hut in the backwoods.

Discounts, Premiums and Terms to Clubs

Every satisfied buyer and user of Young's Seeds and Plants is a living recommendation of our goods and our business methods—glad to do us a good turn whenever possible by speaking a word for us to some one else. We appreciate this kindness, but we don't want it to be one-sided. We want to do our part, too, by making it worth while for our customers to interest their friends in Young's Seeds. We have, therefore, made up a plan whereby they can work for us and at the same time provide themselves with plants without expense.

How To Do It. Send for extra copies of our Catalogue; distribute them among your friends and get up a club order for our plants at the prices we quote. For your trouble in the matter we will give you extra plants at the following rates

On a \$3 00 order select to the value of \$3 50—a profit of...\$0 50	On a \$20 00 order select to the value of \$25 00—a profit of...\$5 00
“ 5 00 “ “ “ “ “ 6 00 “ “ “ “ “ 1 00	“ 50 00 “ “ “ “ “ 65 00 “ “ “ “ “ 15 00
“ 8 00 “ “ “ “ “ 10 00 “ “ “ “ “ 2 00	

Although we send some extras of our selection with every order, we offer no premiums on orders amounting to less than \$3, and these reductions do not apply to the special offers or collections offered in this Catalogue at reduced prices.

DISCOUNTS ON FLOWER AND VEGETABLE SEEDS IN PACKAGES ONLY

On all orders for seeds in packets, you may select 25 cts. worth extra for each \$1 sent us. Thus, if you send an order for \$1, you may select seeds in packets amounting to \$1.25; for \$2, seeds in packets to the value of \$2.50; and so on.

SPECIAL NOTICE.—The above reductions apply to seeds in packets only. Seeds in bulk are at net cash prices. The above discounts do not apply to Grass Seed, Field Seeds, Potatoes, Fertilizers, Shade or Fruit Trees, or California Privet.

Liberal Cash Premiums. Those who prefer to be paid in cash for their services in securing club orders for us, may deduct the amount from the remittance instead of ordering plants to the full amount.

How to Send Club Orders. Keep each person's order separate, giving his or her full name, with the amount of the order; then make your selection of the amount due you, naming plants desired as your discount, and signing your name as getter-up of the club.

Remember that the getter-up of the club is entitled to all discounts. We cannot allow each member of the club to select discounts, and then allow the getter-up of the club to select another discount. We will, however, add **one plant** for each dollar's worth that any one member of your club may send.

How We Pack Club Orders. Each person's plants will be packed separately with his or her name attached, and the whole order sent to your address, so you will have nothing to do but to deliver the bundles. If the plants are to go by mail, we will send each person's package direct, if the orders amount to \$1 or more each.

POSITIVELY NO DISCOUNT ALLOWED ON ORDERS NOT ACCOMPANIED BY CASH

The above liberal offers apply only when the money accompanies the order. We can afford to make these discounts only because they save us the trouble of opening book or charge accounts during our rush season. All charges orders must be filled **at the net prices given in this Catalogue.**

Standard Vegetable Seeds



HERE is just one way to conduct a business in honest, reliable farm and garden seeds—and that is to sell honest, reliable seeds. Long ago, at the very outset of our business career, we determined to have one standard—the choicest, most reliable seeds we could grow; and one business policy with respect to selling them—as reasonable a price as would leave us a fair profit.

By selling you the right kind of seeds, we can help you make a better garden or a better farm. Your patronage and that of your friends is the life-blood of our business—without your support we must fail. Honestly, then, wouldn't it be very poor business for us to drive you and your friends away by selling you such poor seed that you'd go somewhere else to buy the next time? Of course; and so, because we have a professional pride in the kind of goods we sell, and the big family to whom we sell them, as well as a very natural interest in seeing our business grow, we make it a point always to see that the seeds we sell are reliable in every way.

When you consider how many hundreds of kinds of seed we offer here, you can readily understand how hard it is to keep everything up to the high standard that we have established for all of our seeds; but we believe we're equal to the task and feel that our steadily growing patronage shows how well we succeed.

Did your crop last year do what you thought it should? If not, make whatever allowance you will for "the weather," and then come right down to look at the seed question fairly and squarely. Are you real sure that most of the trouble didn't lie right there? That more careful selection of varieties—at a little higher price for seed, perhaps, to make sure you were getting the very best quality—wouldn't have made the dollars-and-cents return at the season's end look very differently?

Of course, it's too late to do anything different about that, now—last year has gone for all time, but your experience, whatever it has been, is worth a lot. If you trace the trouble to inferior seed, we are at your service in getting started right in this good new year.

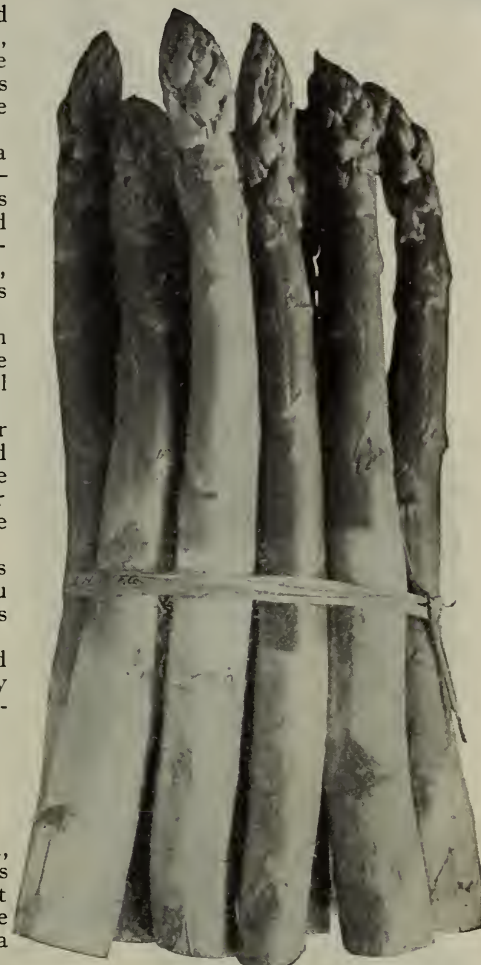
We can help you—the whole knowledge and experience of 48 years in the seed business are at your service. You will get the benefit of this knowing-how in every order you buy from us, no matter how small; you can have it in working out your gardening or farming troubles, if you write us. What will you let us do for you?

ASPARAGUS

Contrary to the idea held by many people, Asparagus is one of the easiest grown, and deservedly popular, of early vegetables. The tender, deliciously flavored tips appear early in the spring before many other vegetables are ready, and if kept cut they continue to form for several weeks. Enough Asparagus for the use of the average family can be grown in small space, while one or more rows across the garden or in a field can be made very profitable as a market-crop.

Asparagus can be grown from seed very easily and will be ready for use the second or third year. The seed is sown the same as onion seed, either in good, rich soil in the permanent bed or in a seed bed from which the plants can be moved after the first year. Cultivate carefully the first season, after which it practically takes care of itself.

INSTRUCTIONS FOR GROWING ASPARAGUS.—We issue a special leaflet giving detailed instructions for growing Asparagus, which we will be glad to send to any one on request; we offer also a much more elaborate and very practical book, "Asparagus Culture," telling how to succeed with Asparagus. Price 50 cts., postpaid.



BONVALLET'S GIANT ASPARAGUS



BURPEE'S BUSH LIMA BEANS (see page 4)

ASPARAGUS SEED

Barr's Mammoth. A well-known and popular variety which commands unusually good prices at market. Tips large, thick and tender; sometimes nearly an inch in diameter. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. 85 cts.

Bonvallet's Giant. With us this has proven one of the best varieties for home use or for market. A very good yielder, with purplish green shoots, attains large size, and is of a delicious flavor. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts.

Columbian Mammoth White. The interesting feature of this variety is the fact that it produces white stalks above the ground without blanching; these are tender, of delicious flavor and of good size. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 65 cts.

Conover's Colossal. A good standard variety, having large, delicious tips of fine quality; tender, productive. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 65c.

Palmetto. A large, early, productive variety bearing thick, dark green shoots, distinctly pointed. A vigorous grower. Pkt. 5 cts., oz. 10c., ¼lb. 20c., lb. 55c.

TWO-YEAR ASPARAGUS ROOTS

You can save two to three years by planting Asparagus roots instead of seed. We recommend the following select, strong, two-year roots, carefully packed, as the most economical. Unless otherwise instructed, we ship by express or freight at purchaser's expense, in quantities of over one dozen. Our dozen price is for roots by mail, postpaid. If for any reason larger shipments must go by mail, add at the rate of 50c. per 100 to prices quoted below. See descriptions above.

	Doz.	100	500
Barr's Mammoth.	\$0 30	\$1 00	\$3 75
Bonvallet's Giant.	35	1 25	4 50
Columbian Mammoth White.	30	1 00	3 75
Conover's Colossal.	30	90	3 50
Palmetto.	30	1 00	3 75

BEANS, Dwarf Bush or Snap

1 qt. to 100 ft. of drill; 2 bus. per acre

The following varieties of Beans are very tender and susceptible to cold. Plant about the middle of April if the season is favorable; if a succession is wanted, continue at intervals of a week or ten days until the middle of August. Plant 2 inches deep, 3 inches apart in rows, rows 2 feet apart. Cultivate when vines are entirely dry.

As to Our Packets of Seed. The average packet selling at 5 cts. postpaid is too small. We, therefore, prefer to put up a more liberal quantity and sell at 10 cts. This is very much more satisfactory, both to you and to us. The following prices for packets, pints and quarts include postage; if sent by express or freight at purchaser's expense, deduct 10 cts. per pint, 15 cts. per quart. Pecks and half-pecks always go by express or freight at purchaser's expense.

Young's Improved Extra-Early Red Valentine. Unexcelled for snaps. Preferred by many to the wax varieties. Vigorous-growing vines, bearing many long, roundish pods, deeply creased; fleshy, crisp and tender. The Beans are fairly large, pink, marked with red. This variety maintains all the strong points of the various Valentine strains now on the market. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.50.

Burpee's Stringless Green-Pod. Very early and productive, handsome and of first quality. A fine variety to plant for successive crops; may be grown in this way until killing frost. Pods average 6 inches or over in length; round, thick and meaty, entirely stringless even at maturity. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.

Round-Pod Valentine. An early green-podded variety; Beans red at maturity. Matures in about forty-three days from germination. Vine erect, pods medium size, fleshy, crisp and tender. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.15.

Long Yellow Six-Weeks. A fine, early string Bean. Flat, light green pods, often measuring 8 inches in length; early and productive; quality the best. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.25.

DWARF WAX BEANS

Young's Golden Wax. A strong grower, very vigorous and free from rust. Pods fleshy and large; rich yellow color; fine quality and entirely stringless. Plant will keep on setting and maturing new Beans until frost if the pods are kept picked off. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$1.60.

Improved Golden Wax. An improved strain of Golden Wax. Hardy, prolific, best quality; pods long and thick; a fine, erect grower. Pkt. 10 cts., pt. 30c., qt. 50c., pk. \$1.60.

Davis Kidney Wax. Very hardy and productive, with long, white, crisp, tender pods. Vine is not subject to rust. A vigorous grower, yielding pods in clusters. Beans white, unexcelled for canning or general use. Pkt. 10 cts., pt. 30 cts., qt. 50c., pk. \$1.60.

Dwarf Black Wax. A notably good bearer. Pods golden yellow, round, brittle, of buttery flavor when cooked. A good old standard variety which should be included in every order. Pkt. 10c., pt. 25c., qt. 40c., pk. \$1.45.

BUSH LIMA BEANS

Burpee's Bush Lima. Stout, erect plant, 18 to 20 inches high, heavily branched. Each branch is thickly set with pods containing three or four good-sized Beans apiece, which are of delicious flavor when cooked. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.

Henderson's Bush Lima. An erect grower, some 18 to 20 inches high, requiring no support. Fair-sized beans, with the true, rich, buttery Lima flavor when cooked. These mature about two weeks earlier than the Pole Lima. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.

Pole Beans

These require more warmth and a richer soil than the bush Beans, and should not be planted until the ground is thoroughly warmed up by spring sunshine and rains. Plant in rows 3 feet apart each way, several Beans to the hill, thinning to three in a hill after they are well up.

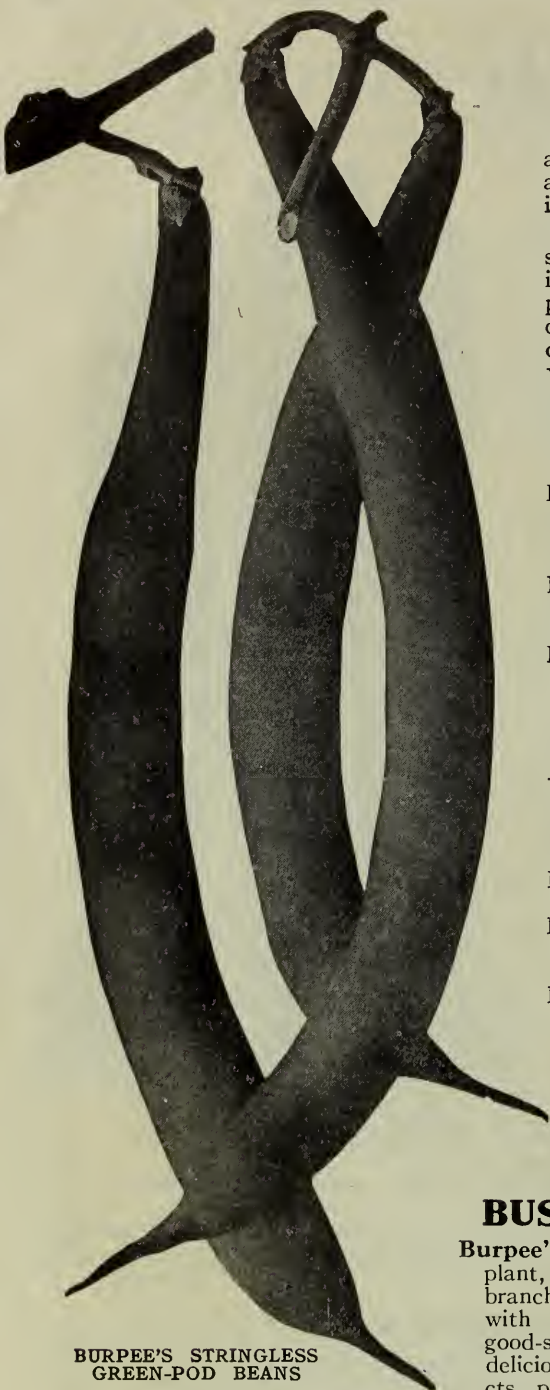
Pole Beans are heavy bearers and continue maturing pods until late fall. They are fine for cooking in the pod or can be left to shell.

Kentucky Wonder, or Old Homestead. Bears slender pods 7 or 8 inches long—pods fleshy, stringless when young, and of finest quality. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.

Lazy Wife. Medium dark green pods 4 to 6 inches long. Of fine quality for cooking, stringless until nearly ripe. Beans round and white; fine for shelling. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.

Cut-Short, or Corn Hill. An old variety, excellent for planting in hills of corn. Round, slender pods, well-formed, with small white Beans flecked with red. Very prolific and good. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.

White Creaseback. Early green-podded variety; fine for snaps; productive; rapid grower. Pods in clusters; thick, fleshy, stringless; fine quality. Good for use as shelled Beans. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.



BURPEE'S STRINGLESS
GREEN-POD BEANS



YOUNG'S EXTRA-EARLY RED VALENTINE BEANS

POLE LIMA BEANS

The seed of Lima Beans rots very easily in cold, wet ground and should not be planted until after warm weather has set in. Our tests have proved the following varieties best for general planting.

Large White Lima. The regular and well-known Lima or Butter Bean. Quite early and an enormous producer, though the Beans themselves are rather small. A sure cropper and a thoroughly good, all-round variety. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.75.

King Lima. Strong grower with large pods, often containing five or six Beans each. Of first quality, easily shelled, large and handsome. Good for home or market. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$2.

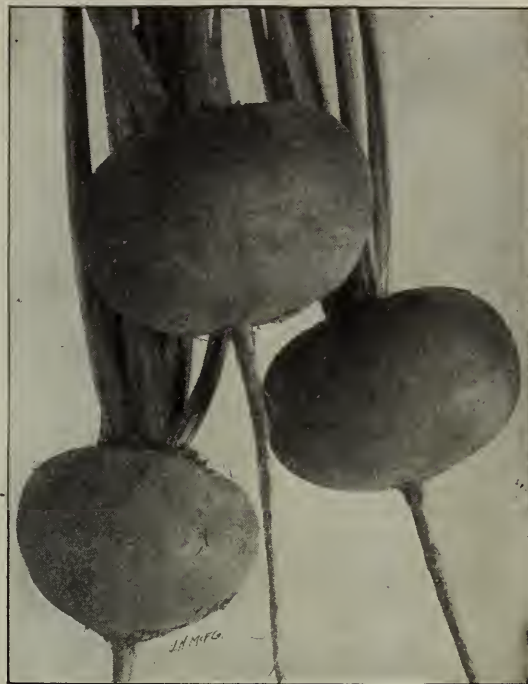
BEETS. For Table Use

Use 1 oz. of seed to 200 ft. of drill and cover lightly; 5 to 6 lbs. per acre

For earliest cropping, sow under glass in February or March, transplanting to open ground in March or April. For main-crop, sow as soon as the ground can be worked; for table Beets, sow in drills 18 inches apart, thinning so the plants will stand 3 or 4 inches apart in the rows. The round and turnip-shaped Beets are best for spring and summer; the half-long kinds for winter. For a succession, sow every two weeks up to July 1.

Crimson Globe. The ideal for market- and home-gardens. Almost round; shapely outside; deep blood-red inside, deep and light red in alternate layers. Fine-grained and delicious when cooked. If left in the ground till late fall it attains a large size; hence one sowing of seed will produce early Beets for market and main-crop for winter. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts.

Crosby's Egyptian. Round, smooth, sweet and tender. One of the earliest, making it especially profitable for market. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c.



CROSBY'S EGYPTIAN BEETS



CRIMSON GLOBE BEET

Edmand's Improved Blood Turnip. A fine turnip-shaped Beet; skin smooth, of a deep blood-red color. Flesh solid, keeping well. When cooked, it is sweet and tender. The roots are of a good size for market purposes, and on account of the small tops this variety can be grown thickly in the rows. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Eclipse. An extra-early sort with round, smooth, broad red root. A rapid grower of first-class quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Early Blood Turnip. Deep crimson, turnip-shaped roots; tender and sweet. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Half-Long Blood. One of the most productive varieties we know; the roots are oblong and not of great diameter—hence they can be planted closer together. Very dark red, keeping well without getting "woody." Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

SUGAR BEETS FOR STOCK FEEDING

Sow from April to June on well-cultivated, deep, rich soil, in drills 24 to 30 inches apart. Six to eight pounds of seed are required per acre. Among the most valuable stock feeds, especially for milch cows. Can be stored anywhere free from frost and used as needed.

Vilmorin-Elite. This variety is the result of careful selection of seed and is, we are now convinced, the best for planting in rich, black soils. Repeated tests show that it contains at least 16 per cent of sugar; average yield, 12 to 16 tons per acre. Lb. 45 cts., postpaid; by express or freight, at purchaser's expense, lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2; 100 lbs., 18 cts. per lb. Bags free.

SWISS CHARD, Spinach Beet

Prized for its broad, white leaf-stalks which are cooked and served the same as asparagus; or they may be prepared the same as spinach. Either way they make a delicious dish. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Broccoli

Early Large White. Quite similar to cauliflower but somewhat more hardy. Heads medium size, close and compact; reasonably sure header. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

Brussels Sprouts

This interesting plant bears a stalk perhaps 2 feet high, closely covered with little buds or sprouts 1 to 2 inches in diameter which much resemble tiny heads of cabbage. These are tender and delicious when creamed the same as cabbage. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.



BRUSSELS SPROUTS

BUCKEYE INCUBATORS AND BROODERS

We carry a complete stock, and if you are a poultry-raiser you will be interested in the complete catalogue, which gives full descriptions and prices. Write today for a free copy.

CABBAGE

EARLY AND LATE VARIETIES

Our Cabbage seed is all strictly American-grown, with the exception of Danish Ball Head which is produced for us by a reliable grower in Denmark. You can find costlier seed than this, but you cannot get any better seed at any price. In the following list you will find a good collection of well-known varieties which we have selected because of their adaptability to general home or market use.

CULTURE.—The essentials are a deep, rich soil and thorough cultivation. Early sorts should be sown in the hotbed in February and March, or in open ground as soon as it is dry enough to work. Winter varieties should be sown in May or June in shallow drills 6 inches apart. When the plants are 4 inches high, transplant into richly manured ground—the early kinds 2 feet apart, the fall and winter varieties 3 feet apart. If you want the largest heads, give each plant plenty of room; if you are growing for market and prefer small heads, set plants close—but always give plenty of cultivation.

Slug Shot and Tobacco Dust are best for killing insects and worms on Cabbage. Our Cabbage seed packets contain about 800 seeds each.

"How to Grow Cabbage." A very practical new booklet by J. H. Gregory, a well-known authority on this subject. Tells all the details of Cabbage-growing, from seeding until harvest. 40 cts., postpaid.

Early Summer. Forms large, round, solid, rather flat heads of excellent quality; tender and sweet. Average weight, 8 to 10 lbs. each; matures a week or two later than Jersey Wakefield. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Early Jersey Wakefield. This Cabbage has long stood as the "standard first-early." Ob-long-headed. The heads are solid, somewhat pointed, with few outside loose leaves. An excellent keeper and very popular. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Charleston Wakefield. A popular variety with market-gardeners in the South. About a week later than Jersey Wakefield, with larger heads which do not burst when mature, and which can accordingly be left standing in the field for some time after they are ready for gathering. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.25.

Early York. To our knowledge this is the earliest variety in existence. The heads are rather small, and are ready before Early Wakefield or other early sorts have begun to head up. Heads solid with so few loose outside leaves that plants can be set close and will yield heavily per acre. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Bulbs, seeds, plants, roots and cuttings are not included in the parcel-post law of January 1, 1913. They remain third-class matter, which is 1 cent for two ounces to any part of the United States.



DANISH BALLHEAD CABBAGE

Genuine Danish Ballhead. A very hardy strain now recognized as one of the best winter sorts. A sure header, solid and heavy, a good keeper, and a good seller, having few outside leaves, so that plants can be set close. Will keep all winter in fine condition. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Premium Flat Dutch. We have originated practically a new strain of this variety which we believe is unexcelled for the handsome large heads which it produces. It is a splendid keeper; there is no better Cabbage for late winter use. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Blue Strain Fottler's Brunswick. A dwarf, compact-growing plant with solid, flat heads on an exceedingly short stem. There is very little waste as there are few outside loose leaves. The heads are uniformly solid, earlier than the original Flat Dutch strains. Good for fall and winter use. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Drumhead Savoy. A solid-heading variety with deeply crinkled and curled leaves. The quality is of the best and the flavor is peculiar to this type alone. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$2.

Red Dutch. A very solid head,

fine for salads or pickling. The leaves are deep red or purple. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Cabbage Plants. See page 21.



EARLY JERSEY WAKEFIELD CABBAGE

CAULIFLOWER

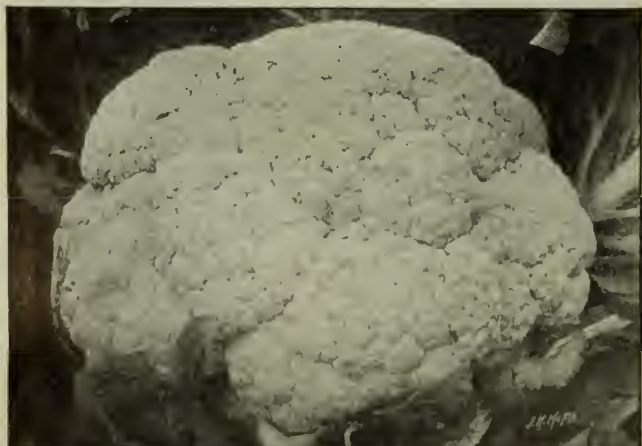
This popular and delicious vegetable commands high prices at markets, as a general rule, for the simple reason that few people try to grow it in their own gardens. Some seem to have the idea that Cauliflower is hard to grow—which is a great mistake, as the soil and cultural requirements of Cauliflower are about the same as of cabbage. In addition, it should have a cool, moist location with frequent watering in dry weather.

Early Snowball. Extra-early, dwarf and compact. Almost always heads. Plants can be grown close together. Pkt. 15 cts., $\frac{1}{4}$ oz. 65 cts.

Extra-Early Dwarf Erfurt. A fine strain; plants dwarf, compact; heads good-sized, fine and stocky. A reliable header. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Dry Weather. A good variety to grow by those who have heretofore had trouble to succeed with Cauliflower. Matures medium-early; large heads, and is known to be a reliable header in dry locations where other varieties fail. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

I received my plants Monday, perfectly fresh. Could not tell today they had been shipped. Many thanks for the extras.—Mrs. D. Fairchild.



EARLY SNOWBALL CAULIFLOWER

CELERY

CULTURE.—Sow the first of March or April, scattering seed on the surface and rolling or pressing firmly into the soil until covered. After the leaves are well formed, pinch them off partially two or three times to promote stocky growth and better roots. Provide rich, well-worked soil.

When transplanting, lay off spaces 4 to 5 feet apart, each space accommodating three to five rows of plants 6 inches apart. Keep well cultivated all summer, and the first week in September begin drawing earth up around the plants. Continue this every two weeks until the plants are buried up to the leaves. The stalks will then blanch and become crisp and tender.

For home use, lift the plants just before frost, with as much earth as will cling to the roots, and place them in shallow boxes of earth in a dark, cool cellar, for use as needed. Or bury in beds with roots well covered with earth, protecting sufficiently with straw, soil, etc., so that there will be no danger from frost. Directions for growing Celery are printed on each packet of our seed; and somewhat more elaborate information is given in a little Special Leaflet on Celery Culture, which we will gladly send free to any address.

Golden Self-blanching. Of dwarf, compact growth with thick, solid stalks which blanch readily to a beautiful creamy white. Requires very little earthing up to blanch crisp and hard. Very easy to grow, and is particularly satisfying. Pkt. 10 cts., oz. 50 cts.

White Plume. A good, early variety somewhat similar to Golden Self-blanching. Pure white, tender and delicately flavored. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c.

Dwarf Golden Heart. A good dwarf variety that keeps a long while. Large, tender heart with shapely, solid stalks. Blanches to a beautiful golden, with outer stalks so perfect that there is very little waste. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Giant White Solid. Often grows 3 feet high; particularly good for flavoring soups, etc. Good for the South or for any warm, dry climate. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Giant Pascal. Popular for market. Large, tall stalks of a fine, nutty flavor; free from bitter. Blanches readily and keeps splendidly. Pkt. 5 cts., oz. 20c., $\frac{1}{4}$ lb. 50 cts.

Winter Queen. Very popular, worthy variety; stalks light green blanching easily. Stems quite short and thick. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

CELERIAC, or TURNIP-ROOTED CELERY

Has a large, turnip-shaped root which is used for flavoring soups, etc. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 35 cts.

CARROTS. Best Table Varieties

The five varieties offered below are, according to the careful tests we have given a large number of varieties, the best for general use. They are tender, quick-growing and smooth, and are of a delightful flavor when cooked.

CULTURE.—Sow as early as the ground can be worked. For late crops, continue at intervals until the latter part of July. For a winter crop sow early in August. When plants are well established, thin so that they will stand 5 to 6 inches apart in the row, rows 12 to 14 inches apart. Frequent and deep hoeing between the rows is necessary. Rich, light, sandy loam is the best soil.

Early French Forcing. Earliest of All. Largely grown for forcing purposes. Orange-red, globular roots. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Early Scarlet Short-Horn. Roots deep orange, short and stocky; flesh fine-grained, well-flavored; grows well in shallow soil. One of the best for outdoor planting and table use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



LONG ORANGE CARROTS



GOLDEN SELF-BLANCHING CELERY

Oxheart. An early, short, thick variety of fine quality. Popular for market use when small, as it can be bunched to good advantage. Deep orange-colored roots, thick and fleshy with little core. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

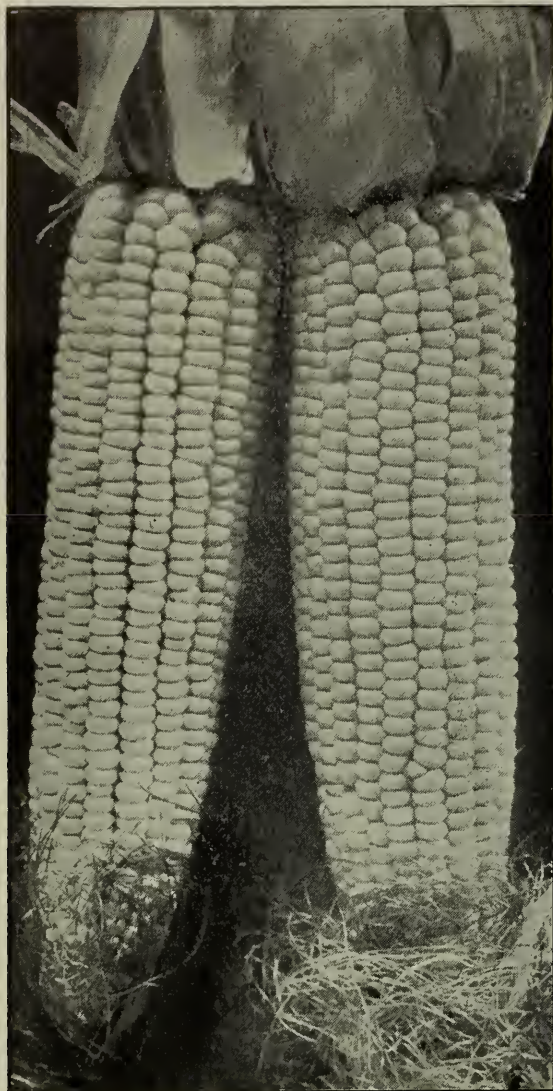
Chantenay. Similar to Oxheart, but a little earlier and more slender. The flesh is tender and sweet when cooked. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Long Orange. Latest and largest of all. Deep reddish color, thick and fleshy with a small core. Valuable also for stock feeding. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Cress, or Pepper Grass

Extra Curled. Leaves have a pleasant, peppery flavor, making them valuable in salads, etc. Can be used alone or with lettuce. Sow thickly, covering lightly, and plant at frequent intervals for a succession. May be cut two or three times. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Water Cress. Similar to the foregoing except that it grows along margins of watercourses, pools, etc. Propagates itself, spreads rapidly and lives from year to year. Leaves crisp, peppery; fine for greens, etc. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.



STOWELL'S EVERGREEN SWEET CORN

SUGAR, or SWEET CORN

CULTURE.—Plant in hills 3 feet apart each way, five to six kernels in a hill. Fertilize plentifully with well-rotted manure. Cultivate thoroughly. To have sweet Corn in very best quality throughout the season, plant seed at frequent intervals; in this way fresh roasting-ears for the table may be had right up till frost. A good test of whether sweet Corn is ready to gather is to puncture the grain. If the skin breaks freely and milk issues even at the slightest puncture, then it is ready to gather.

Country Gentleman. Recognized as the finest of all sweet Corn for family use. The cob is small and the grains are very deep, and are set irregularly instead of in uniform rows. It retains its tenderness and delicious flavor for several days after maturing. The husk is heavy, which tends to keep the ear "in the milk" for several days longer than most other varieties. Each stalk bears from three to six ears each, 8 to 9 inches long. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Stowell's Evergreen. The standard late variety with large ears. Grains, sweet, solid and tender, remaining long in the green or milk state. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Mammoth White Cory. One of the earliest varieties, succeeding well where the seasons are short. Ears are about 6 inches long, each with eight rows of good, broad grains. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Early Metropolitan. Considered somewhat of an improvement over Stowell's Evergreen, but is earlier. The stalk is a vigorous grower with large, well-filled grains, pure white and of finest flavor. We predict that "Metropolitan" will become one of the most popular early varieties. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Peep-o'-Day. This variety is apparently nearly a week earlier than the other standard early varieties. Ears five inches long, well filled; grains tender and sweet. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Black Mexican. Medium-early; large ears, well filled with large, flattish grains tipped bluish purple or black. The flavor is certainly delicious. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Holmes' Premo. A reliable very early sweet Corn of decided hardiness. The seed does not rot easily in the ground. Ears average two to the stalk; of average size and of excellent quality. A good sort for early market. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

First of All. We certainly recommend this as thoroughly reliable. The ears are large, borne in abundance; and as the stalks are rather small, the seed can be sown closer than can some other varieties. The quality is fair. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.10.

Kendel's Early Giant. An early sort, bearing ears 8 to 10 inches long, each set with twelve to eighteen rows of grains. Pure white, sweet and tender. Quality fair. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Mason's Favorite. A well-known sort which remains one of the leaders for market and private gardeners; of rather dwarf growth, each stalk bearing one or two long, eight-rowed ears. Kernels broad, sweet and tender, remaining good-sized when dried. We have developed practically a new strain of this variety which has retained and intensified the good qualities of the old standard Mason's Favorite. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

Burpee's Golden Bantam. A decidedly worthy novelty in sweet Corns. The ears are short, with small cob thickly set with large, irregular creamy or golden yellow grains. The flavor is simply delicious and this variety is growing in popularity both for home use and market purposes. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.25.

Mammoth Sugar. Produces enormous ears; quality excellent, tender and delicious. One of the latest. Pkt. 10 cts., pt. 20 cts., qt. 35 cts., pk. \$1.10.

POP CORN

White Rice. Well-known variety; pops well. Pkt. 5 cts., lb. 20 cts., postpaid.

Queen's Golden. Pops fluffy, creamy white grains of excellent flavor. Pkt. 5 cts., lb. 20 cts., postpaid.

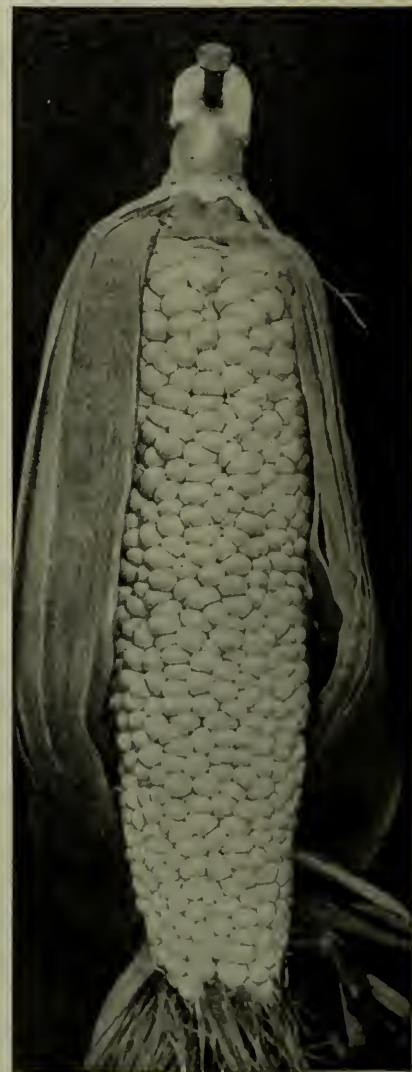
Corn Salad, or Fetticus

Broad-leaved. A fine salad plant often used as a substitute for lettuce or spinach. For summer use sow in drills a foot apart in spring. For spring use sow in September and "winter off" like spinach. Pkt. 5 cts., oz. 10 cts., ¼lb. 15 cts., lb. 55 cts.

Chicory

Roots are very palatable when cooked like turnips; when dried and ground they are sometimes used as a substitute for coffee. Sow early in the spring. Thin the plants to 6 inches apart and keep well hoed. The plant is hardy and spreads from the rows. Pkt. 10c.

BULBS, SEEDS, PLANTS, ROOTS AND CUTTINGS are not included in the parcel-post law of January 1, 1913. They remain third-class matter, which is 1 cent for two ounces to any part of the United States.



COUNTRY GENTLEMAN SWEET CORN

CUCUMBERS

We pride ourselves especially on our Select Cucumber Seed, and our customers will find in the following very complete list such an assortment as is rarely obtainable. Here are varieties for home use and market; early and late sorts, all ready for you to choose from.

Cucumbers will succeed in almost any soil, but do better with as rich a soil as can be given them. Corn-planting time is about the right time for Cucumbers. Use plenty of seed and, after the first "epidemic" of bugs is over, thin so as to give each vine plenty of room to grow. This last is absolutely essential if you are to have first-class Cucumbers. Keep the "cukes" picked off and the vines will keep blooming and setting new ones.

Young's Perfection White Spine. This variety has been carefully "bred up" by a prominent Michigan grower who has spared no pains to develop as nearly a perfect all-round type as possible. Its strong points are **uniformity, shapeliness, earliness, vigor of growth, and crispness.** These points make it a splendid market variety, and gardeners find that it sells well. For home use it is just as good; it is also extra-choice for pickling. We offer carefully selected seed and absolutely true to type and un-mixed. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts.

Cool and Crisp. An early variety of the White Spine class. Cucumbers long, tapering and rather smooth, shading paler toward blossom end. Excellent for slicing and general use; holds its fruits for a long time. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c.

Nichol's Medium Green. A handsome, dark green variety with tender, crisp flesh; of medium size, straight and smooth, running very uniform. Especially good for pickling; also for slicing when mature. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Livingston's Emerald. Retains its dark green color right up to maturity. The vines are vigorous and very productive, setting the young Cucumbers quite early. Crisp, tender, well-flavored; fine for slicing and, when, young, for pickling. It is also highly recommended for making sweet pickles when ripe. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Long Green Improved. A well-known old variety with few seeds; long and crisp; good for general family use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



LONG GREEN CUCUMBERS

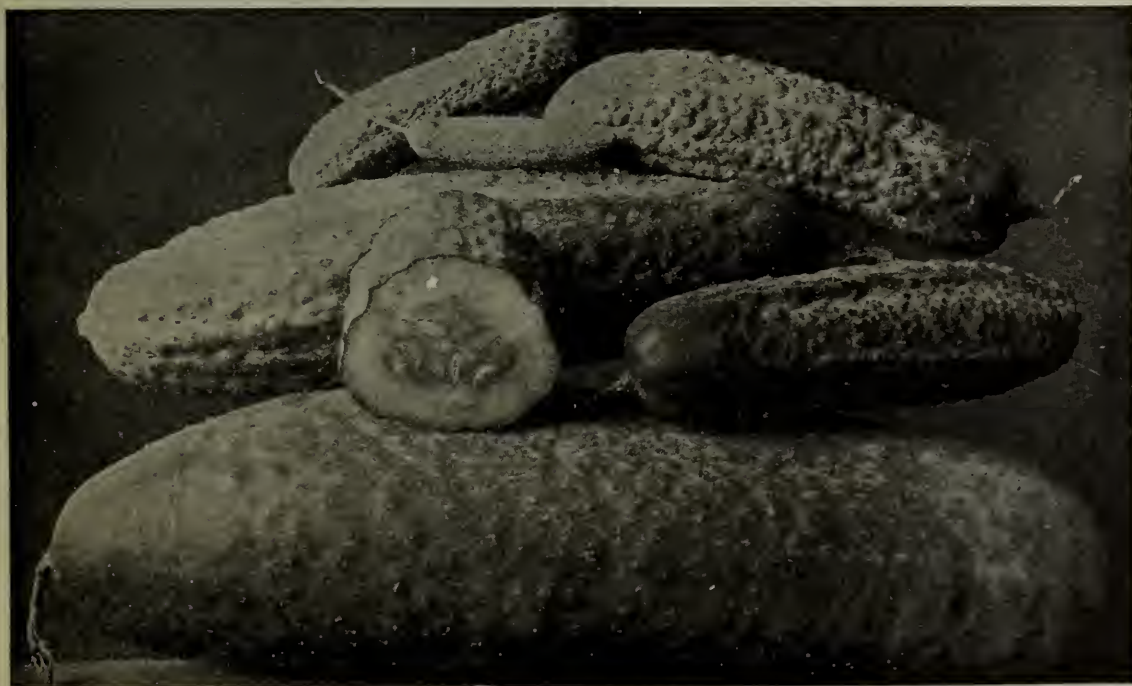
Cumberland Pickle. A good, all-round sort, with fruits thickly set with tiny spines. Fine, crisp and tender right up to maturity. The vine is quite hardy and a vigorous grower, and is very prolific. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Fordhook Pickle. A good, prolific bearer, producing quantities of medium-sized fruits, just the right size for pickling. The vines are vigorous and continue active growth longer than most others. This is a particularly good variety because it matures crisp, tender Cucumbers free from any toughness when pickled. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Boston Pickling. A leader for pickles. Vine very productive. Cucumbers medium-sized; smooth; bright green. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts.

Gherkin, or True West India. Heavy, small Cucumbers, used only for pickling. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Davis Perfect. One of the really best all-round Cucumbers we know of. The fruits are 10 to 12 inches long, rather slim and symmetrical. Dark, glossy green and very attractive. Early; prolific; a splendid shipper retaining its excellent quality and brittleness long after cutting. Can be forced or grown in open ground. Valuable sort for home or market. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.



FORDHOOK PICKLING CUCUMBERS

Chives

A glossy plant whose leaves have an onion-like flavor. Used in soups and salads. Pkt. 10 cts., oz. 50 cts.

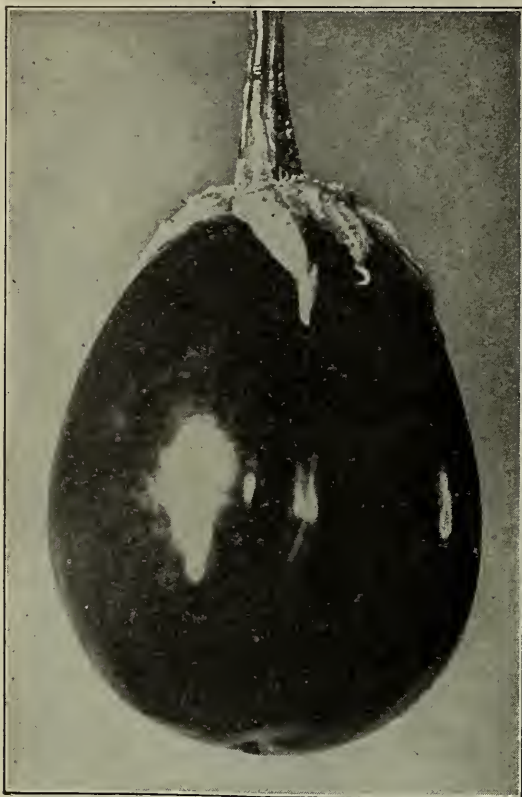
Chive Roots. See page 21.

I will write you a few lines to let you know that I received my plants all right, and how beautiful they were, and such a delightful surprise when I unpacked them—tucked away among the Roses, those sweet Geraniums, all in bloom. I never expected anything so fine as my flowers were. Allow me to thank you for your kindness to me. I remain, your friend, Lil'e L. Shields, Lilbourn, Mo.

You will receive some orders from those that saw my flowers, I am sure, as I showed them to so many.

Tobacco Dust for the Striped Bug

It's mighty poor business to sow good Cucumber seed and then let the striped bugs ruin the crop. Tobacco Dust is the best remedy we have ever found. It is a strong grade of tobacco, ground up fine like snuff—it is finer than flour and tremendously powerful. Dusted on the leaves it gets rid of the bugs in short order, while a little of it poured around the stems of each plant will drive away the borers which sometimes destroy the vines later in the season. By mail, postpaid, lb. 20 cts. By freight or express, at purchaser's expense, lb. 10 cts., 12 lbs. for \$1, 30 lbs. for \$2.



IMPROVED NEW YORK SPINELESS EGGPLANT

KALE, or BORECOLE

Dwarf German Curled. Hardier than cabbage; supplies excellent greens for winter and spring. Leaves curly and bright green, tender and deliciously flavored. Sow in May or June. Transplant in July. Cultivate same as cabbage. For early spring sow in September. Protect in winter with straw or litter. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

KOHLRABI

A sort of radish- or turnip-shaped vegetable with large, roundish roots which have a delicate and delicious flavor when cooked. The edible part is an enlargement of the stem which needs to be cut when quite small. If left to grow larger it becomes woody.

CULTURE.—Sow in rich, light soil in drills 16 inches apart. When plants are well established, thin to 6 inches apart in the row. One or two plantings at intervals of ten days will give a succession until hot weather, after which they will not grow so well. For fall use, commence planting



EARLY WHITE VIENNA KOHLRABI

DANDELION

Grows much larger than the ordinary wild Dandelion. The leaves are excellent for greens in the early spring. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 50 cts.

EGGPLANT

CULTURE.—Same as for tomatoes. Very easy to grow.

Black Beauty. Large, thick fruits, very showy in form and color. The skin is a rich glossy purple-black, uniformly colored over the fruit. Free from spines. The plant is an abundant bearer and the quality is of the best. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

Improved New York Spineless. A handsome and very desirable variety, producing deep purple fruits of large size and beautiful form. Bears right up to frost. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. \$1.

Black Pekin. A large-fruited variety, well adapted to home and market use. Fruits of first quality and handsome appearance—rich, lustrous purplish black. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

ENDIVE

A splendid salad plant when the leaves have been properly blanched. For an early crop, sow in April in drills 15 inches apart, thinning the plants to 12 inches apart when well started. When nearly full grown, draw up the leaves and tie them. Put the tips so that the inner leaves will blanch creamy white—which change takes place within a very short time. One ounce of seed will sow 150 feet of drill.

White Curled. Plants moderately dense. The midrib is yellow and the leaves are frequently almost white without blanching. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Green Curled. Desirable for home use or market. Leaves deep green, cut and curled. Blanching easily, taking on added flavor. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.



GREEN CURLED ENDIVE

again the latter part of July.

Early White Vienna. Desirable for general use. Light silvery green leaves; early; small top. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Early Purple Vienna. Similar to the above but with bright purple bulb, and with purple-tinged leaves. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

White Delicacy. Round, apple-shaped with smooth skin and few leaves. Flesh tender and delicious. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.25.

LEEK

Grows like onions, and seed should be sown in hotbeds in the same way but allowed more room to develop. When young plants are the size of goose quills, transplant to prepared bed in rows a foot apart, and four or five inches in the row. Set deep and draw the earth around them when cultivating, to blanch the stalks.

London Flag. Hardy and of good quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

OKRA, or GUMBO

White Velvet. The pods are round and smooth, much longer and not prickly to the touch; very productive. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 55 cts.

Dwarf Green Prolific. Early and productive. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

Improved Long Green. Long-ribbed pods. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

LETTUCE

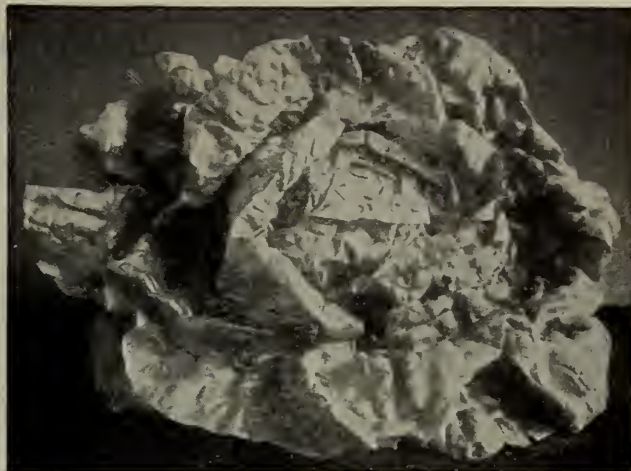
CULTURE.—Sow as early as possible, and when well up, thin to give each plant plenty of room. Provide a rich, warm soil and keep the ground free from weeds.

Hanson. Our best seller. Although heads grow to an enormous size, the quality equals the very best. Sweet, tender and crisp; free from brittleness. Not recommended for forcing, but splendid for outdoor cultivation, if grown in rich soil. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

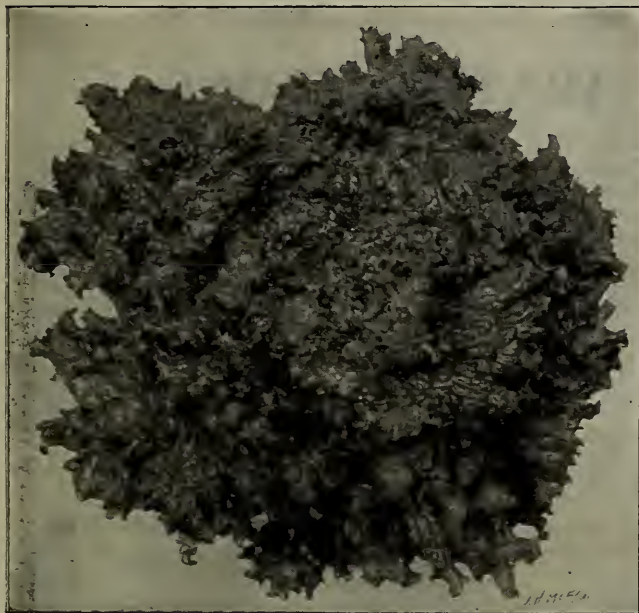
California Cream Butter. Round, solid, crisp heads, of a rich buttery flavor. Medium early. One of the best summer varieties. Pkt. 5c., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Grand Rapids. Great for growing under glass. A quick, strong grower not subject to rot; very handsome. Does not wilt readily. Of upright growth and can be planted close together. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Simpson. Good early sort. Forms a loose, fluffy bunch of light green or creamy yellow leaves. A quick grower, with a rich, buttery flavor. We consider this and the Hanson as our leaders. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



HANSON LETTUCE



GRAND RAPIDS LETTUCE

Iceberg. A very beautiful sort with large, curly leaves; light green tinged with red at the edges; crisp and of fine flavor. Heads solid and well blanching. Free from tendency to burst. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Boston Market. When quickly grown, this is a very well-flavored variety. Heads compact, light green, slightly tinged with brown; rich, buttery flavor. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

St. Louis Market. Unexcelled among the head Lettuces. Equally good for winter forcing and late summer planting. In fact, it is a first-class all-the-year-round variety. Heads large and solid; crisp and buttery. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Early Prize Head. A mammoth plant producing a loose cluster of bright green leaves tinged with bronze. The flavor is excellent and even the outer leaves are crisp and tender. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Early Cabbage, or White Butter. One of the best of the summer varieties. A good header of fair size. Leaves crisp and of first-class flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Paris White Cos. Of upright growth, with long, narrow leaves which should be tied up to blanch a week before cutting. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Salamander. A standard summer variety, forming a good-sized, compact head. Light green outside, white inside. Will stand a good deal of hot, dry weather without burning or running to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Bulbs, seeds, plants, roots and cuttings are not included in the parcel-post law of January 1, 1913. They remain third-class matter, which is 1 cent for two ounces to any part of the United States.

IMPROVED MUSHROOM SPAWN

Growing Mushrooms is comparatively easy for almost any one with a dark room or cellar where the temperature can be kept pretty steady at 50 to 70 degrees. Getting reliable spawn and starting right are two of the important essentials. Obtain good, rich soil from an old pasture and store it away. To every bushel of this add two bushels of fresh horse manure.

Mix well and prepare a bed 4 feet wide, putting down a thin layer of the mixed soil and manure, pounding it down hard and adding layers until the bed is 12 to 18 inches through. It will soon begin to heat; have a thermometer partially buried in the soil—a regular Mushroom-bed thermometer is best—and when the heat has subsided to 85 to 90 degrees, make holes a foot apart, putting in the spawn in pieces the size of a walnut; two to each hole.

Fill the holes and press the soil down solid and smooth. Let the bed remain for twelve days. Then cover with 2 inches of fresh loam and on top of this, 4 or 5 inches of hay or straw; and the work is done.

If the temperature of the room is kept steady at 50 to 70 degrees, Mushrooms will begin to appear in six to eight weeks. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread another inch of fresh soil and cover with hay as before. The main requirements are proper and uniform temperature and rich soil. One pound of spawn is enough for a bed 2 by 6 feet.

American Pure Culture Spawn. Produced by the new grafting process from selected and most prolific varieties, and has never failed to run. By mail, postpaid, 35 cts. per brick, \$1.50 for 5 bricks; by express, at purchaser's expense, 25c. per brick, \$1 for 5 bricks, \$1.85 for 10 bricks.

"How to Grow Mushrooms," by Falconer, prominent Mushroom authority. \$1, postpaid.

Mustard

Best for early greens and salads; easily grown.

White. Best for salads and general use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.

Brown. More pungent than the white. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.



MUSHROOMS FROM AMERICAN PURE CULTURE MUSHROOM SPAWN

MUSKMELONS (Cantaloupe)

CULTURE.—Select rich, moist land, using 1 ounce to 100 hills, or 2 to 3 pounds per acre. Sow after all danger of frost is over, covering lightly and watering plentifully. Pinch off the early runners to promote stockier growth. Every home garden should have at least a few hills of Muskmelons to supply the table with first-class fresh fruit, which will be found far superior to the average shipped melons which must generally be picked green and ripened in cold storage.

Rocky Ford. This is the variety that has made Colorado melons famous all over the country. The flesh is green, sweet and melting, good almost out to the rind. Seed cavity small. Average weight of melon about 1½ pounds. Our seed is the true strain, grown for us at Rocky Ford by an expert and saved from selected melons. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. \$1.25.

Burrell's Gem (Pink-meated Rocky Ford). Differs from the regular Rocky Ford in the flesh, which is pink or salmon. It is also more heavily netted and is a good yielder, out-selling Rocky Ford in some markets on account of its splendid quality. A good shipper. Pkt. 5 cts., oz. 15 cts., ¼lb. 30 cts., lb. \$1.

Hackensack. A rather flat, deeply ribbed and heavily netted variety, hardy and productive. Flesh thick, firm and green; of delicious flavor. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

Osage. Fruits somewhat larger than the average; nearly round; flesh thick, firm, orange-yellow. Quality of the best. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

Long Island Beauty. Large fruits, deeply ribbed and closely netted; handsome and of delicious flavor. The flesh is green; fruits ripen quite early. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

Paul Rose. As sweet as Osage and as finely netted and handsome as the netted Gem. Salmon fleshed, close grained; sweet and delicious. Fine shipper and keeper. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

Jenny Lind. Supposed to be the earliest Muskmelon, of uniform size, thick skin with small seed cavity. Size small to medium; vines of vigorous growth, abundant bearers. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

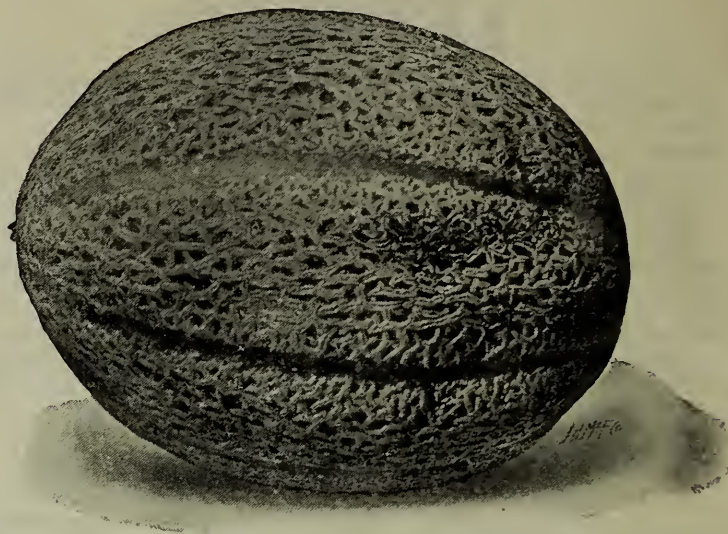
Early Nutmeg. The old-fashioned Muskmelon; small, early and sweet; vines prolific bearers. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

Emerald Gem. One of the sweetest melons grown; rather small, smooth and green, even when ripe. Salmon-pink flesh, thick and sweet; vines prolific bearers. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

Banana. A long, slender melon with a fragrance like bananas; sometimes 15 to 20 inches long and 4 to 6 inches through; thick salmon-pink flesh; deliciously flavored. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. \$1.

I received the plants ordered of you. They were certainly fine and well packed. Accept my thanks for extra fern sent, also for promptness in filling order. Very truly.—Mrs. W. C. Rebhan.

Received trees, etc. in good shape and wish to thank you for prompt and liberal dealing.—Rev. W. M. Butler.



ROCKY FORD MUSKMELON

WATERMELONS

CULTURE.—The same as for muskmelons, except that the plants should not be allowed to stand closer than 8 or 10 feet apart, according to their habit of growth. We offer seed grown by the best producers which will certainly do well if planted in warm, mellow soil. One ounce of seed will plant about fifty hills.

McIvor's Wonderful Sugar. One of the sweetest Watermelons. The fruits grow large, but even at maturity, or in very wet weather, they do not burst or lose their fine flavor. The vine is productive and hardy. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

Kleckley's Sweets. A variety of great merit. The skin is a little too thin to make it a good shipping variety, but for home use or local markets it is one of the leaders. The melons are large, oblong, with dark green skin and bright scarlet flesh; solid to the heart and of luscious flavor, ripening early. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

Iceberg. An early melon with red flesh and white seeds; highly prized by many growers. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts.

Long Dixie. Splendid shipper; desirable on account of its great size and splendid quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts.

Halbert Honey. Splendid for home use or for local markets. Even and regular in growth, averaging 18 to 20 inches long, with dark, glossy green skin; flesh rich crimson and good close to the rind. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts.

Florida Favorite. Handsomely striped light and dark green; flesh bright crimson; ripens early and is an excellent shipper. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts.

Cole's Early. A small, early melon of good quality; well-formed and usually sells well at market. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

Sweetheart. Large, heavy melons, with pale green skin netted with darker lines; solid, deep rich red flesh, crisp and delicious; a first-class shipper. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts.

Kolb's Gem. A standard sweet variety, growing quite large and thick, striped dark and light green; bright red flesh of fair quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

Mammoth Ironclad. Fruits sometimes measure 2 feet long; dark green skin with lighter stripes; rind thin but tough. Bright red flesh; firm and crisp, and of elegant flavor. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 70 cts.

Citron. Looks like Watermelon but is much smaller; much used for making preserves. These are transparent and of particularly fine flavor. The little melons are quite crisp and solid, and in a cool room will keep for some time after gathering. Pkt. 5 cts., oz. 15c., ¼lb. 35c., lb. \$1.

Iron Age Garden Tools will make your work lots easier this year. They cost little and last a lifetime—almost.



FLORIDA FAVORITE WATERMELON

ONION SEED

Our seed is produced from selected bulbs and is of strictly first quality. We handle only choice American pedigreed stocks. With Onion culture, success or failure depends largely upon the kind of seed sown. The best Onion seed is always the cheapest; we are certain that ours is as good as can be found anywhere.

CULTURE.—Provide a fine, rich soil; work deeply and cultivate absolutely free from weeds. Sow in shallow drills not less than a foot apart and thin pretty severely when the young Onions are about the size of goose quills. As the bulbs grow they will spread a good deal, so it is well to thin heavily in the first place, so they may have plenty of room.

Southport White Globe. A pure white variety, forming handsome, hard Onions with waxy pearl-white flesh; very good for use as green Onions. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.50.

Southport Yellow Globe. Very similar to the above with brownish-yellow skin and white, crisp, fine-grained flesh. A trifle smaller and a little earlier to mature than the white. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Large Red Wethersfield. Very generally grown all over the country; large, most uniform, heaviest yielder and one of the best keepers of all red Onions. Of large size with deep, purplish red skin and white flesh tinged slightly with purple. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Prizetaker. Large, mild and tender; one of the largest Onions grown. Its size, however, does not affect its quality, which is of the very best; we find it outsells other Onions after it becomes known. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Globe Red Wethersfield. Handsome, dark red, roundish; averages 3 inches in diameter and 9 or 10 ounces in weight. This is a very choice strain. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Yellow Globe Danvers. Large, round Onions of a rich orange-yellow shade; flesh is white with a surprisingly mild flavor for such a large Onion. A good keeper, making it specially desirable for winter use. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

White Portugal, or Silver Skin. Of medium size, beautiful, clear white skin; the flavor is quite mild and the Onions may be used when young for salads, pickling, etc.; they are also good for use in fall or early winter. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Early White Queen. The small, flat white Onion; very early, tender and sweet; fine for pickling—running 1 to $1\frac{1}{2}$ inches in diameter. Pkt. 5 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.



PRIZETAKER ONION

The onion crop is most profitable when thoroughly cultivated.



GLOBE RED WETHERSFIELD ONION

ONION SETS

All the sets we offer are "bottom sets" which are simply little Onions grown from seed planted late and thick. They are about as large as the end of one's finger and when set out in spring mature quickly into nice green Onions for bunching. Or, they may be left to form the same kind of Onions that you would get from seed—only you don't have to wait so long. When you order these bottom sets say whether you prefer the red, yellow or white. We find that the yellow ones are usually best, as they are not so likely to run up to seed.

White Bottom Sets. Small, solid, beautiful silvery white. Pt. 15 cts., qt. 25 cts., by mail, postpaid.

Red Bottom Sets. Bright deep red; even and dry bulbs. Pt. 15 cts., qt. 25 cts., by mail, postpaid.

Yellow Bottom Sets. Fine and dry; medium size, unsprouted. Produced from extra-choice seed. Pt. 20 cts., qt. 35 cts., postpaid.

White Multipliers. Pure silvery white, enormously productive; frequently 20 bulbs in a cluster from a single bulb. Fine for bunching green, or can be ripened for pickling. Pt. 20 cts., qt. 35 cts., postpaid.

Notice.—If Onion Sets are wanted by the peck or bushel, we will gladly quote special low prices.

Parsnips

CULTURE.—Provide a deep, rich, sandy soil or any moderately rich soil which is deep and mellow. Parsnip seed germinates slowly, so that it should be planted as early as possible. Cover one-half inch deep, place soil smoothly over seed. Cultivate frequently and when the plants are well up, thin to $1\frac{1}{2}$ to 2 inches apart. Parsnips are improved by frost and at least a portion of the crop should be left in the ground over winter.

Hollow Crown. Best for table use; very productive and of good, free growth. Root long, tapering, with a rather small top. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.



HOLLOW CROWN PARSNIPS

GARDEN PEAS

The following list contains a careful selection of all the varieties now on the market. Our seed is grown in the North; is free from bugs, carefully rogued and hand-picked. Its reliability makes it by far the cheapest and most satisfactory seed to buy.

CULTURE.—As a rule, Peas should be planted in spring while the ground is cool and moist. They never do well in hot weather, and often will not grow at all after the ground has become hot and dry. Smooth Peas, especially, should be planted as soon as the frost is out of the ground; wrinkled Peas should not be planted quite so early. Both should have fairly rich, mellow soil.

SPECIAL NOTICE.—The crop of seed Peas has been short for two or three years and we recommend early ordering to avoid disappointments. Prices on larger quantities than here quoted will be supplied on request, such quantities to go by freight or express at the customer's expense.

Alaska. The very earliest variety we know of. Grows about 2 feet high; vines set full of small pods which are all ready to come off at one picking. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., pk. \$3.

Extra-Early Gradus. Large pods, nearly round and well-filled with large Peas. The quality is of the best and the Peas remain tender for some little time. The vine is very productive. Pkt. 10 cts., pt. 30 cts., qt. 45 cts., pk. \$2.50.

Nott's Excelsior. A rather dwarf grower, maturing quite early. Pods about 3 inches long; well-filled throughout with large, well-flavored Peas. Quality unsurpassed. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.65.

Improved Stratagem. Very large, late; pods immense, filled with large Peas of finest quality. Strong, vigorous vines, growing 2 feet high. Fine for general purposes. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.85.

Champion of England. A grand old popular variety which "holds its own" well among the newer sorts. The vines grow medium tall and are well-covered with large, solidly filled pods of good-sized Peas which are distinguished by their tenderness and rich, marrow-like flavor. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.50.

Abundance. Second-early; quality excellent; vine 15 to 18 inches high. The pods are fine and large, each containing six to eight wrinkled peas. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.75.

Juno. Plant strong and vigorous, quick-branching and erect, requiring little support. A very free yielder, producing peas of the best quality. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.75.

McLean's Little Gem. A wrinkled Pea of excellent flavor, highly recommended for home-gardens. Vine dwarf, prolific; Peas ripen second-early. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.65.



EXTRA-EARLY
GRADUS PEAS

Philadelphia Extra-Early. Matures early; Peas of good quality, borne in great abundance. Vine half dwarf, requiring no support except in very rich ground. Will bear all summer under favorable conditions. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.50.

American Wonder. Fine, extra-early wrinkled variety, well suited for private gardens; very productive. Flavor and quality of the best. Vines grow about a foot high. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., pk. \$1.75.

PARSLEY

Used for garnishing, flavoring soups, etc. A few plants will be sufficient for family use.

CULTURE.—Provide a rich soil; sow seed $\frac{1}{2}$ inch deep, previously soaking the seed for several hours in tepid water. As the seeds germinate slowly, it will probably be three or four weeks before they show above ground.

Double Curled. Fine dwarf sort, with crimped leaves. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

Extra Curled Dwarf, or Emerald. Moss-like, bright green leaves, finely curled. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Champion Moss Curled. Very dark green leaves, densely curled. Pkt. 5c., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Bulbs, seeds, plants, roots and cuttings are not included in the parcel-post law of January 1, 1913. They remain third-class matter, which is one cent for two ounces to any part of the United States.



NOTT'S EXCELSIOR PEAS

PEANUTS

CULTURE.—Plant in May, in drills 3 feet apart; 8 to 10 inches apart in the drill. Cultivate flat and keep free from weeds. It requires fifteen to twenty pounds of shelled nuts, or one bushel (22 pounds) of unshelled Peanuts to plant an acre. Plant either way, but be careful not to break the skin or coating on the nut if shelled.

Selected Virginia. Very productive; our stock is carefully selected for seed purposes. lb. 25 cts., by mail postpaid. By express or freight, at purchaser's expense, lb. 15 cts.

PEPPERS

CULTURE.—Start in the house or hotbed; plant and cultivate about the same as tomatoes. Any soil will answer except low or wet.

Pot-grown Plants after May 1. See page 21.

Chinese Giant. Large and sweet Peppers, deep scarlet and very showy. Plants about 2 feet high; strong, vigorous and productive. Pkt. 5 cts., oz. 40 cts.

Sweet Mountain. Has large, deep red fruits; smooth, handsome, and with a very pleasant, mild flavor; plants prolific. Pkt. 5 cts., oz. 25 cts.

Large Bell, or Bull Nose. Shaped like a cow-bell; valuable for pickling or stuffing; flesh hard and thick; quite mild and early; very large. Pkt. 5 cts., oz. 25 cts.

Golden Queen. Plants bear 18 to 20 perfect fruits, averaging 8 to 18 inches long and 4 to 5 inches through; they are of a bright golden yellow color, and have a very mild, pleasing flavor. Pkt. 10 cts., oz. 30 cts.

Red Cayenne. Long, slim pod, rather pointed; bright red when ripe; very hot and pungent. Pkt. 5 cts., oz. 25 cts.

Ruby King. Grows 5 to 6 inches long and about 3½ inches in diameter; bright red, mild and pleasant in flavor. Single plants often ripen eight to ten specimens. Pkt. 5 cts., oz. 25 cts.



RUBY KING PEPPER



MAMMOTH TOURS PUMPKINS

PUMPKINS

CULTURE.—Can be planted among corn or as a second crop after early peas, etc. Gather before frost and store in a cool, dry place. Protect against bruising as bruised Pumpkins decay very quickly.

Large Cheese. Large and flat, creamy yellow when ripe. An excellent keeper of fine quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

Mammoth Tours. Grows very large; elegantly shaped; rich yellow color. Fine-grained and of excellent quality; equally good for cooking or stock feeding. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

Sugar, or New England Pie. A handsome, rather small but sweet Pumpkin, fine-grained and of best quality. Deep orange-yellow skin, rich yellow flesh. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.

SEED POTATOES

To grow the best Potatoes it is necessary to change the seed quite often. The seed Potatoes that we offer were grown strictly for seed and are of best quality possible. There are few cases where the additional yield which would result from planting these would not **much more than pay for the cost of the seed in the first place**—and you can oftentimes sell all of your crop to your neighbors for seed. Good seed Potatoes are always the best kind of a good investment and a supply of our seed will help you to work toward a better yield in 1912.



CULTURE.—Plant as early as the ground can be made ready in rows three feet apart, dropping pieces about a foot apart in the rows. To prevent Potato bugs, spray with prepared solution which can be had from almost any dealer. 10 bushels will plant an acre.

Prices of any of the following varieties of Potatoes. Pk. 50 cts., ½bus. 90 cts., prices on bushel lots and over furnished on application. No extra charge for bags or barrels.

Rural New Yorker, No. 2. A very heavy yielder; Potatoes large and unusually smooth. Eyes few and shallow; skin and flesh white. The vines are of scant growth; Potatoes mature medium-late. This variety is a splendid drought resister. The quality best.

Early Rose. A standard favorite for years and still popular with a great many growers. Potatoes of good size, rather long, light pink at the bud end; of finest flavor.

Red River Early Ohio. A popular early Potato; seed of this variety is in great demand with us. Potatoes come round and thick; cook dry and mealy. We offer an extra-choice strain.

Red River Triumph. A wonderfully prolific sort, ready about a week before Early Rose. Beautiful, light red; medium size, uniform growth. White flesh, cooking mealy.

Burbank. A standard late variety. A good yielder of large, well-shaped white Potatoes. These cook dry and mealy and are of the finest flavor and quality. Best for baking.

RADISHES

Our Radish seed is all French-grown—it is superior to American-grown seed because it is earlier and the Radishes remain in good condition longer than those grown from the seed produced here.

CULTURE.—Sow the seed in the richest, loosest soil you have, and pull the Radishes before they are full-grown, else they may become pithy and rot. The best way is to plant seed at frequent intervals, thus providing a succession. They must be grown quickly or they will get strong and woody. Radishes require very little attention when once started. The seed must either be planted thin or else the young plants thinned out in the row. Two or 3 inches apart is as close as they should be allowed to grow.

Icicle. One of the best Radishes that we know of. It is pure white, rather long and tapering, remaining mild and crisp until quite large. The leaves are small, so that the Radishes can be grown closer together than some other varieties can. For a succession plant every ten days. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Early Scarlet Globe. One of the finest early, bright red Radishes in existence. Its quality and beauty make it doubly desirable for table use. Unequaled for forcing or planting outside—either for home or market. Quite round. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Crimson Giant. Will grow twice as large as other round Radishes without becoming hollow or losing its tenderness and mild flavor. Sometimes grows 2 inches or over in diameter. Round or oval. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Earliest White Turnip. A medium-sized round Radish with pure white skin and small top. Quality excellent—mild and crisp. Can be grown outdoors or forced in hotbed or greenhouse. Ready in about thirty days after planting. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 65 cts.

French Breakfast. A white-tipped, half-long early variety. Skin glossy crimson on top, flesh mild and tender. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 70 cts.

Early Scarlet Turnip. One of the very early Radishes; small and round. Bright red all over. A favorite for market- and home-gardens. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

Scarlet Turnip. White-tipped; upper part bright scarlet. Splendid quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

Olive-shaped White. Oblong, averaging possibly 2 inches in length and pure white, tender and delicious; a quick grower. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Long White Vienna, or Lady Finger. A long tapering Radish with pure white skin and mild, delicious flavor. Ready in 25 days. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

Wood's Early Frame. Equally good for forcing or first-crop outdoors. Uniform; smooth, bright red skin; white, crisp, well-flavored. Continue brittle and tender until July. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 70 cts.



EARLY SCARLET TURNIP RADISHES

Chinese Rose Winter. The best winter Radish. An introduction from China, where the gardeners grow delicious Radishes of a size that would astonish the average American grower. This particular variety is of medium size, with a bright tip, rosy red skin, and solid flesh of very good quality. An excellent winter keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Round Black Spanish. Three or 4 inches in diameter with black skin, and close-grained, white, highly flavored flesh. A good winter keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

Mixed Radish Seed. Recommended for small gardens or for planters who want a large yield of various sorts lasting through several weeks. Our mixture includes nearly all kinds. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

RHUBARB, or PIE PLANT

CULTURE.—Sow seed in April, in drills 18 inches apart. Cover seed with fine soil pressing in firmly. When plants are well up, thin to 6 inches apart; in the fall or the following spring, transplant into deep, rich soil, 3 feet apart each way.

Linnæus. Bears quantities of tender, juicy stalks early in spring. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Victoria. Very large stalks ready a little later than Linnæus. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Rhubarb Roots. See below, and also on page 21.

EVERBEARING CRIMSON WINTER RHUBARB. One of the splendid recent introductions of Luther Burbank, and quickly recognized as a novelty of great merit. The flavor is really very much sweeter than that of the original

Rhubarb and the flesh is fine grained, juicy and free from stringiness. The color is a beautiful crimson. Plant any time between February and July, setting $2\frac{1}{2}$ feet apart, 6 feet between the rows. If given a well-drained, rich, sandy loam they will need no fertilizer. We can ship after the middle of February and we advise early ordering as we have never had enough of these roots to supply the demand. Orders will be filled in rotation. Extra-strong roots, 50 cts. each, 3 for \$1.25. Medium-sized roots, 3 for \$1, postpaid.



LONG STANDING SPINACH

SPINACH

CULTURE.—For early spring use, sow in September, protecting in exposed places with hay or straw until spring. For summer use, sow in March or April. The richer the soil the larger and more tender the leaves will be. Spinach requires little special care and is a fine crop for home gardens—profitable also for market.

Bloomsdale, or Savoy-leaved. Has many heavily curled and wrinkled leaves. Leaves similar to Savoy cabbage. One of the earliest and best. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 35 cts.

Round Thick-leaved. Very rapid grower, producing thick, somewhat wrinkled leaves in clusters. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 35 cts.

Prickly Winter. Very hardy; used largely for fall sowing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 35 cts.

Long-standing. Matures quickly and remains in good condition for a long time. Smooth, dark, handsome leaves; we consider it one of the best for general planting. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 35 cts.

Victoria. Matures later than most other varieties; the leaves are of fine texture, thick and fleshy; deep green, heavily crumpled, with deep red stem. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 40 cts.



HUBBARD SQUASH

SALSIFY, or VEGETABLE OYSTER

CULTURE.—Plant and cultivate about the same as carrots or parsnips. Succeeds in a light, rich, mellow soil. Sow early in spring in drills 15 inches apart in rows.

Salsify can be cooked the same as carrots or can be made up into cakes and fried like oysters—which it resembles very closely in flavor. It is an improvement to leave the roots in the ground all winter, but they must be taken up in spring before growth commences.

Mammoth Sandwich Island. With us this grows as large as a good-sized parsnip. Has a mild, delicate flavor. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Long White. A favorite market variety of splendid flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Sorrel

Leaves cooked like spinach.

CULTURE.—Sow in drills early in spring and thin to 6 to 8 inches apart in row. The first leaves are ready to cut in about two months and plants will continue putting out new leaves for three or four years.

Large-leaved French. Fine quality. Pkt. 5 cts., oz. 10 cts.

SQUASH

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons. The bush varieties should be planted 3 or 4 feet apart, and the running kinds 6 to 9 feet.

White Bush Scallop, Pattypan. Commences maturing early and will bear throughout the season if Squashes are kept gathered. Large; pure white skin; flesh is of fine quality. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 90 cts.

Yellow Bush Scallop. Very early flat variety with edges regularly marked or scalloped. Skin pale yellow, flesh deep yellow, of fine flavor with small seed cavity. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 90 cts.

Giant Summer Crookneck. A long, roundish Squash with the stem completely turned back upon itself. The seed we offer produces Squashes much larger than the ordinary Crookneck type of the old gardens. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Vegetable Marrow. A favorite English bush Squash; creamy skin, white flesh. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Received plants in fine shape. So fresh and with such nice roots. I thank you for the extras, which I did not expect. Thanks for them and the leaflet. I am proud of my plants.—Miss C. F., Macon, Mo.

FALL AND WINTER SQUASHES

Boston, or Autumnal Marrow. A large, oval Squash, with a mottled, orange-yellow skin and rich, fine-grained, salmon-yellow flesh. Flavor of the best; unexcelled for pies. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Hubbard. A good standard late variety. Squashes large, roundish, tapering at both ends. Dark green skin, heavily covered with small knobs or warts. Flesh bright orange-yellow; fine grained, rich and sweet and a magnificent keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Fordhook. Dry, sweet flesh; skin thin and meat thick. A sure bearer. Very productive and highly recommended. Can be grown as a summer Squash. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

Essex Hybrid. A splendid winter keeper; hard shelled with fine-grained, thick flesh of a rich orange-color and splendidly flavored. Vines prolific yielders; splendid for general crop. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

TOMATOES

CULTURE.—For very early crops, sow seed in boxes or hotbeds in March. When about 2 inches high, transplant to 4 inches apart each way. Move out-of-doors as soon as danger from frost is over, setting 4 feet apart each way and cultivating until vines cover the ground. For very early fruit, pinch off the ends of the branches when the first fruit is set.

POT-GROWN TOMATO PLANTS. Ready May 1. See illustration and particulars, page 21.

Sparks' Earliana. The earliest red Tomato known. The plant is rather dwarf, but is a wonderfully prolific bearer. The Tomatoes are of uniform size, averaging 2 to 3 inches in diameter. They are fleshy and solid, and will continue yielding until frost. Earliana is excelled by some other varieties later in the summer, but for an early yielder there is practically nothing to equal it. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Chalk's Early Jewel. A large, smooth, finely-flavored, bright red Tomato, ripening about ten days later than Sparks' Earliana. It is a very heavy yielder and the vine bears throughout the season. These are very large size and of splendid flavor; solid, ripening right up to the stem, without cracks or green core. Few seeds. A good shipper. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

June Pink. A very early sort, ripening pink or purplish fruits of good quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Young's Excelsior. Popular with southern growers; highly recommended for general market use. Tomatoes of large, uniform size; thick, meaty and solid. When ripe the color is a beautiful purplish red. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.

Crimson Cushion. Vines set and ripen fruit right up to frost. The Tomatoes are round, smooth, bright scarlet all over. They sometimes weigh a pound, and are wonderfully solid. The vines are heavy yielders. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

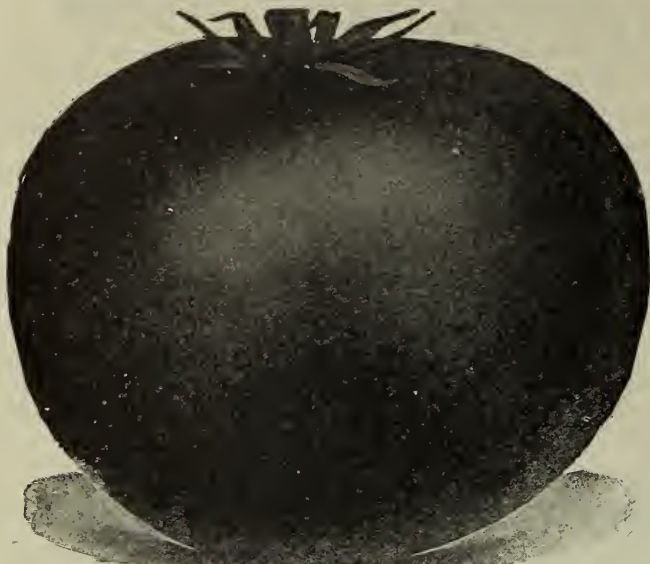
Dwarf Champion. Early, smooth, solid fruits of good quality; purplish red, but not very large. Vines of upright growth, holding the fruits well off the ground. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Ponderosa. As indicated by its name, these Tomatoes are very large—frequently weighing a pound or more. Fine for slicing or general use. Deep purple, solid, fleshy, with few seeds. The vines are of vigorous growth. Pkt. 10 cts., oz. 60 cts.

Livingston's Beauty. Tomatoes large, smooth and uniform; purplish pink with thick flesh. The vines are vigorous and yield heavily. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.50.



PONDEROSA TOMATO



YOUNG'S EXCELSIOR TOMATO

delicately flavored flesh. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.
Extra-early White Milan. Same as above but pure white. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.
Golden Ball, or Orange Jelly. A rapid grower, forming a globular, bright yellow Turnip. Exceptionally good quality for table use and keeps well. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

RUTABAGA, or SWEDISH TURNIP

Similar to Turnips or radishes in general form, but grow more out of the ground. The flesh is of better quality, also, and Rutabagas keep somewhat better.

CULTURE.—Same as for turnips.

Improved Purple-Top. Yellow flesh, sweet and well flavored. Blunt, oblong roots, purple above and yellow under the ground. Fine, rich flavor. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.
Improved American. A good strain of best quality; solid, well shaped, with smooth skin. A good keeper, recommended for table use or for stock feeding. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

HERBS

Utilize the corners of your garden for a few Pot, Sweet and Medicinal Herbs. They thrive best along the sunny side of a fence, in a deep, fairly rich soil.

ANISE. For garnishing, cordials and flavoring. Pkt. 5 cts., oz. 20 cts.
BASIL, Sweet. For highly seasoned soups, stews and sauces. Pkt. 5 cts., oz. 20 cts.
BORAGE. Excellent for bees. Leaves used in salads or boiled; aromatic flowers used in cool drinks. Pkt. 5 cts., oz. 20 cts.
CORIANDER. For garnishing; seeds aromatic; useful for flavoring. Pkt. 5 cts., oz. 20 cts.
DILL. Aromatic seeds used in pickles, preserves, soups and sauces. Pkt. 5 cts., oz. 10 cts.



EXTRA-EARLY PURPLE-TOP MILAN TURNIP

TOMATOES, continued

Small-fruited Tomatoes. Principally used for making fancy pickles and preserves. The plants are very productive, and the fruits run about an inch in diameter.

Yellow Plum. Beautiful, bright yellow Tomatoes in clusters. Excellent quality. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Red Cherry. Same as above except that the fruit is light scarlet. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

TURNIPS

CULTURE.—For very early use sow or drill in the seed just as soon as you can—you can hardly do it too soon. Get the spring crop started so that it will be well along before hot weather, which makes the Turnips tough and strong. For main crop, sow from middle of July to August. For field culture they can be broadcasted, though drilling produces better crops.

Early White Snowball. Almost globular, with white skin. First-class quality and a good keeper. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Purple-top Strap-leaf. Large, sweet and fine-grained. A leader for late sowing. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Extra-early Purple-top Milan. Two weeks earlier than anything else we list. Turnip flat; purplish on top. White, fine grained and



PURPLE-TOP STRAP-LEAF TURNIP

THYME, Broad-leaved.

Leaves dried for seasoning; useful for bees. Pkt. 5 cts., oz. 10 cts.

FENNEL. Leaves boiled for sauces; beautiful for garnishing; seeds employed in confectionery, etc. Pkt. 5 cts., oz. 10 cts.

LAVENDER. Aromatic; delightful perfume. Pkt. 5 cts., oz. 20 cts.

MARJORAM, Sweet. Leaves and ends of shoots used for seasoning. Pkt. 5 cts., oz. 20 cts.

ROSEMARY. Aromatic leaves used for seasoning. Oil from the flowers is the chief ingredient in "Eau de Cologne." Pkt. 5 cts., oz. 40 cts.

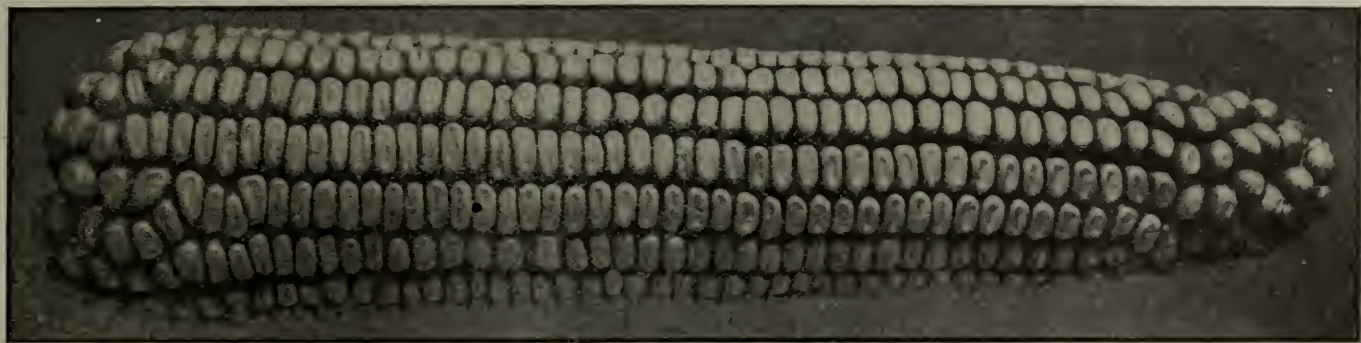
SAGE. Leaves used in dressing and sauces. Pkt. 5 cts., oz. 20 cts.

SAVORY, Summer. Used for seasoning and flavoring soups and dressings. Pkt. 5 cts., oz. 15 cts.

Holt's Mammoth Sage. Plants only

The plants are very vigorous and get to be very large. The leaves are large and of unusual substance, strong flavor and superior quality. Perfectly hardy. Good plants, 10 cts. each, 3 for 25 cts., postpaid.

Bulbs, seeds, plants, roots and cuttings are not included in the parcel-post law of January 1, 1913. They remain third-class matter, which is 1 cent for two ounces to any part of the United States.



YELLOW DENT CORN

CHOICE SEED CORN

Extra-selected hand-picked grade for farmers who desire to change, add to, or renew their planting seed stock, we recommend our "Extra-selected Hand-picked Seed." This has been thoroughly re-screened, tipped and butted.

Improved Leaming. The Leaming, in its various types, is probably more largely planted, both in southern and northern states, than any other seed Corn. Large, handsome ears of good size with fair-sized grains of deep orange; small red cob. Stalks medium size and leafy, making excellent fodder; usually two ears to the stalk. Husks and shells easily; ripens in ninety to one hundred days; almost never fails to make a good crop. Pk. 50 cts., bus. \$1.50.

White Cap Yellow Dent. Pronounced the best of all the large Dent sorts. Grows well in nearly all soils, but does especially well on poor, thin soils, where it has outyielded the Leaming by 30 per cent. Deep, flat grains, closely set; yellow, with white tip. Pk. 65 cts., bus. \$2.

Golden Beauty. Has the largest, broadest grains of any variety we offer. Of rich color and fine quality; splendid for grinding into meal. Ripens in 110 to 120 days, making vigorous stalks which grow 8 to 10 feet high under favorable conditions. Best adapted for Missouri and Kansas. Pk. 50 cts., $\frac{1}{2}$ bus. 80 cts., bus. \$1.50.

Champion Early White Pearl. Large ears, well filled throughout, completely covering the cob. Deep white kernels, running 16 to 22 rows to the ear. Medium early, yielding frequently 75 bushels per acre. White Corn stands drought better than yellow and usually sells higher. We recommend our stock as dry, well matured and pure white. We have been selling this strain for several years, and our customers write very highly of it. It will pay you to grow it this year. Give it a trial. Pk. 50 cts., $\frac{1}{2}$ bus. 80 cts., bus. \$1.50.

White Hickory King. A famous white Corn of southern origin. Large tapering ears with small cob and large kernels, shelling and husking easily. Matures in about 125 days. Stalks leafy, usually bearing two ears. Our stock is grown in northern Missouri by a careful breeder and we recommend it highly. Pk. 55 cts., $\frac{1}{2}$ bus. 90 cts., bus. \$1.75.

Early Mastodon Yellow Field Corn. The earliest of the large yellow varieties. Has been known to ripen in 96 to 100 days. Large grains of very good quality. Hardy, medium high and a good, strong grower. Pk. 40 cts., $\frac{1}{2}$ bus. 75 cts., bus. \$1.40.

FIELD SEEDS

Prices on all farm seeds are subject to change without notice. If prices are lower the day your order is received, more seeds will be added. If higher, the amount will necessarily be decreased. We will give the fullest measure possible in every case.

If you require considerable quantities, the safest way will be for you to send us a list of your requirements and we will be pleased to quote by return mail the lowest market price prevailing.

DWARF ESSEX RAPE

Valuable forage plant; fine for fattening calves, sheep, lambs or young hogs. Prepare ground as for turnips and sow as soon as frost is out; or sow in June or July broadcast, at the rate of three or four pounds per acre. **Please note that Rape is for pasture and not for hay.** Our stock is the true Essex Dwarf. Postpaid, oz. 5 cts., $\frac{1}{4}$ lb. 15 cts., lb. 30 cts. By express or freight, at purchaser's expense, 10 lbs. 80 cts., 50 lbs. \$3.75.

COWPEAS

Good pasture for cattle, sheep and swine; it is also valuable for a nitrogen crop in orchards and elsewhere—for which purpose it must, of course, be plowed under without cutting. When used as pasture the early pods should be well formed before turning in the stock. When pastured by swine, the crop should be allowed to get nearly ripe. When used as a fertilizer, plow under when plants are in full bloom, as they are then in the richest stage of their development.

New Era. One of the leaders and a very promising variety. Pk. 80 cts., bus. \$3.

Whip-poor-will. Pk. 75 cts., bus. \$2.50. Smaller quantities, 35 cts. per quart, postpaid.

SUPERIOR EARLY KAFFIR CORN

A great corn for dry seasons. Grows right along in dry weather or wet, forming vigorous roots from which two crops of fodder per season may be cut. The stems are stocky, producing many broad, heavy leaves. The stalks do not harden as other corn

stalks do, but remain green, brittle and juicy, and are highly relished by all stock. It will pay you to plant a few acres of this corn, which in addition to its fodder, is prized for its heavy yield of seed, which is just as nutritious and fattening for stock as corn.

Kaffir Corn will do well under nearly all conditions, and can be grown as far north as Dakota. Use from 6 to 15 pounds per acre, selecting the warmest, richest and deepest land you have. For a heavy growth, plant more seed. Choice selected seed, $\frac{1}{2}$ lb. 12 cts., lb. 20 cts., postpaid. By freight or express, at purchaser's expense, 5 lbs. 40 cts., 10 lbs. 60 cts., 15 lbs. 75 cts., 50 lbs. \$2, 100 lbs. \$3.

SUGAR-CANE

Valuable for a green-fodder crop; we consider it one of the best green foods for cattle, horses and young stock during the dry spells of August and September. It makes a rich, rank growth and supplies a lot of nourishing feed for a little money. \$1 worth of seed will sow nearly a half-acre. We offer northern seed. It should be sown at the rate of 60 pounds to the acre. $\frac{1}{4}$ lb. 10 cts., lb. 20 cts., postpaid.

MAMMOTH RUSSIAN SUNFLOWER

Bears enormous heads, 22 inches in diameter; seed are unequaled for poultry food. It is fine for "fattening off" poultry, and keeps the birds in healthy condition with bright, lustrous plumage. Sow in odd corners, fence-rows, etc. By mail, postpaid, 18 cts. per lb. By express or freight, at purchaser's expense, 10 cts. per lb.



Young's Famous Lawn Grass Seed

Almost every one wants a nice lawn, and sodding is generally too expensive. A good, velvety lawn can be secured easily and quickly from seed if the ground is in good condition and good seed is used.

Young's Lawn Grass Seed produces a perfect, rich, deep green sward from early spring till late in fall. The varieties are specially selected, tested and blended, and lawns made from our special mixtures of seed are unsurpassed anywhere for beauty and deep color. There is nothing handsomer than a beautiful lawn—and there is nothing more certain to produce a beautiful, green, glassy carpet than Young's Lawn Grass Mixture.

Sow early in spring, about a pound to each 300 square feet. Cover lightly by raking it in, and if the weather turns dry, keep well watered till the grass gets well rooted. We make a mixture of the best grasses for dry, exposed places in a proportion that will keep a good stand of grass all summer. 20 lbs. make a bushel and will seed a space about 50 by 100 feet.

First-class seed, per quart, 45 cts., postpaid. If ordered to be sent by express or freight, purchaser paying the charges, qt. 40 cts., pk. \$1.35, bus. of 20 lbs. \$5.

Young's Grass Seed Mixture for Shady Places. This is a mixture of extra-fine grasses adapted for growing in the shade and under trees. We recommend it wherever other grasses have failed to make a close sward on account of shade. Qt. 35 cts., pk. \$1.25, bus. \$4.50.

Young's Special Lawn Fertilizers. To insure a rapid growth of grass, some kind of fertilizer is necessary, especially on lawns where the nourishment of the soil has been used up. Young's Special Lawn Fertilizer will invigorate the growth of grass and help to keep it dark green. 10 lbs. 25 cts., 50 lbs. \$1, bbl. \$1.50, 6 bbls. \$7.50. By freight or express, at buyer's expense.

Note.—Very often it happens that a lawn will require some special kind of treatment; no "stock" mixture of grass seed will quite answer the purpose. In such a case, we will be more than glad to make up something special that will quite fully answer the requirements. Write us about the soil, drainage, and all particulars, and we will very quickly tell you what will set the trouble right.

CLOVER AND GRASS SEED

Our Grass and Clover Seeds are selected with special reference to their quality. Purchasers may rely upon our best efforts to furnish such seeds fresh, pure and free from noxious weeds and foreign seed. Prices on Grass and Clover Seed are changing almost daily, and we can only give prices subject to fluctuations. Those wanting seeds in larger quantities should write us for special rates. If order is to be sent by mail, postage must be added at the rate of 8 cents per pound.

Kentucky Blue Grass Seed. Extra-fancy, re-cleaned. Many prefer this to a mixture, and the fact cannot be denied that a lawn of Blue Grass only is magnificent; it takes longer, however, to get it established. In conjunction with White Clover, it forms the finest and closest turf. It will show green early in spring and keep green until covered with snow. Sharp hoofs do not seem to affect it seriously, nor is it damaged by hot sun or dry weather. Our seed is all new crop, Kentucky-grown, and is of the very best grade, fancy cleaned. Lb. 35 cts., pk. \$1, postpaid; by express at purchaser's expense, bus. \$3.

White Clover (Dutch Clover). This is the low, creeping Clover that is used so much on lawns and in lowland pastures. It is the hardiest of all; will grow anywhere, and is of considerable

value, especially in pastures. With its attractive white flowers, it is a thing of beauty as well; bee-keepers value it especially. Lb. 50 cts.; by mail, 55 cts. postpaid.

Mammoth Red Clover. This is a larger, later variety of Clover, somewhat resembling the ordinary Medium Red, or June Clover. It is much ranker in growth, and for that reason is not suited to rich land, or even average good land, as it grows so rank and coarse that it is impossible to cure it. It is sometimes of value on thin land where other Clover will not grow. It will also stand extremes of heat, wet or cold better than ordinary clover. It generally ranges in price about same as ordinary Clover or from 25 cts. to 50 cts. per bushel higher. Lb. 25 cts.; prices on larger quantities on application.

CLOVER AND GRASS SEED, continued

Alsike Clover (Swedish Clover). Has a bloom somewhat like White Clover, but more pink. Especially suited to low, wet land where red clover will not thrive. It will grow on land that is almost a swamp and will, in time, dry out the land and sweeten it up so that other clover can be grown on it. It will also grow on thin sandy land, or on stony hillsides, where red clover would not catch. Lb. 35 cts. For bushel and larger quantities, write for prices.

Alfalfa, or Lucerne. Can be cut three or four times in a season. The soil should be deep, rich, and well prepared. Lb. 25 cts. Ask for prices in quantity.

English, or Perennial Rye Grass. This is becoming well known in this country as a valuable pasture grass which will bear frequent close cropping. Produces an abundance of foliage which remains bright and green during the season. Lb. 20 cts., bus. \$2.50.

Canadian Blue Grass. Resembles Kentucky Blue Grass, but is not of so good quality. It will thrive even on hard clay soils and having an extended root development, forms a heavy turf. Extra-cleaned, lb. 25c., by mail, 35c.; pk. 75c, bus. \$3.

Please remember when Grass or Clover Seeds are ordered by mail, postage must be added at the rate of 8 cts. per lb., unless otherwise noted.

Red-Top (Solid Seed). A valuable grass for moist, rich soils, where it thrives luxuriantly. Good to sow with Timothy and clover for meadow or pasture and is more permanent than either of the other two. Lb. 30 cts. Write for prices on larger quantities.

Orchard Grass. A valuable grass for pasture or hay land, and on account of its earliness, is very well adapted for a permanent pasture. When closely cropped it grows up very quickly and is ready for grazing again in ten to twelve days. Lb. 25 cts. Ask for prices in quantity.

Timothy. Succeeds well on most soils, and stands extreme drought, heat or cold. It makes the very best and most nourishing hay. Lb. 25 cts., bus. of 45 lbs., market price.

Sweet Vernal Grass. Keeps up a continuous growth until late in the autumn. A little of this seed sown in the hay field gives off a fragrant odor and sweetens the hay. Lb. 75 cts., bus. of 10 lbs., \$6.

Bermuda Grass. Invaluable for the South. It will stand a greater degree of heat than any other known grass. Lb. \$2.

VEGETABLE ROOTS AND PLANTS

ASPARAGUS ROOTS

We supply both seeds and roots, but by far the most satisfactory way to obtain an Asparagus bed is to set out the roots. It takes three years to secure a bed from seed, but with large, 2-year-old roots, such as we supply, a bearing bed may be had in a single year.

We make a specialty of growing superior Asparagus Roots and we grow them in immense quantities. We are in a position to promptly fill orders with large, strong roots, freshly dug.

For descriptions of the following varieties, see page 3.

Bonvallet's Giant. 35c. per doz., \$1.25 per 100, \$4.50 for 500.

Barr's Mammoth. 30c. per doz., \$1 per 100, \$3.75 for 500.

Columbian Mammoth White. 30 cts. per doz., \$1 per 100, \$3.75 for 500.

Conover's Colossal. 30 cts. per doz., 90c. per 100, \$3.50 for 500.

Palmetto. 30 cts. per doz., \$1 per 100, \$3.75 for 500.

The above prices are for two-year-old roots, carefully packed and shipped by express or freight at purchaser's expense, with the exception of price per dozen, which is postpaid. If roots are desired by mail, add postage at the rate of 50 cts. per 100 to the above prices.

CHIVE ROOTS. These belong to the onion family; are perfectly hardy. By mail, postpaid, 20 cts. each, 80 cts. for 6, \$1.50 per doz. By express, not paid, 10 cts. each, \$1 per doz.

MINT ROOTS. Ready by May 1. Strong clumps, 10 cts. each, \$1 per doz.

RHUBARB ROOTS. Set in spring they will furnish stalks the following season. 20 cts. each, 50 cts. for 3, by mail, postpaid. By express, at purchaser's expense, 10 cts. each, 50 cts. for 6, \$2 for 50. Extra-large, 3-year-old roots, 20 cts. each, \$15 per 100, by express, not prepaid. See also "Everbearing Crimson Rhubarb," page 16.

HORSERADISH ROOTS. Will produce Radish fit for use in one season's growth. Plant the set with the small end down, so that the top will be 2 inches under the soil. Roots ready for planting, by mail, postpaid, 5 cts. each, 25 cts. per doz., 60c. for 50, 90 cts. per 100. Prices on larger lots on application.

VEGETABLE PLANTS

The prices of these plants do not include prepayment; they are sent by express at purchaser's expense, except where quoted by mail, postpaid.

Vegetable plants should always be sent by express, as they arrive in much better condition when sent this way. If Tomato, Cabbage, Cauliflower, Pepper, Celery or Sweet Potato Plants are wanted by mail, 25 cts. per 100 extra must be sent for postage. Our Pot-grown Tomato, Pepper and Eggplants are too large to go by mail and must be sent by express at purchaser's expense.

POT-GROWN TOMATO PLANTS. Ready April 15. Our Pot-grown Tomato Plants have a splendid reputation. We can supply all the leading varieties, including Young's Excelsior, Livingston's Beauty, Early June, New Stone, Ponderosa, etc. Pot-grown (see illustration), 40 cts. per doz., \$3 per 100.

TRANSPLANTED TOMATO PLANTS. Ready about April 20.

Our plants are all transplanted and the very best in every respect. We can furnish all the leading varieties and in any quantity. 20 cts. per doz., \$1.50 per 100.

EGGPLANT, Pot-grown. New York Improved. Ready about May 10. Large, round, purple variety. 50 cts. per doz., \$4 per 100.

PEPPER PLANTS, Pot- and Hotbed-grown. Ready in May. Bell or Bullnose, Chinese Giant, Long Red Cayenne. Grown in pots, 40 cts. per doz., \$3 per 100; out of hotbeds, 30 cts. per doz., \$2 per 100.

CABBAGE PLANTS. Early transplanted. Ready about April 1. First-class plants, carefully grown and hardened off in cold-frame. Varieties: Jersey Wakefield, Henderson's Early Summer and Premium Flat Dutch, Daniels' Defiance, etc. 25 cts. for 25, 40 cts. for 50, 75 cts. per 100.

CABBAGE PLANTS, Field-grown. Ready about May 15. We can supply the above varieties of Cabbage, field-grown plants, at the uniform price of 40 cts. per 100, \$3.50 per 1,000.

CAULIFLOWER. Early transplanted.

Early Erfurt. 25 cts. per doz., 75 cts. for 50, \$1.25 per 100.

Henderson's Early Snowball. 35c. per doz., \$1 for 50, \$1.50 per 100.

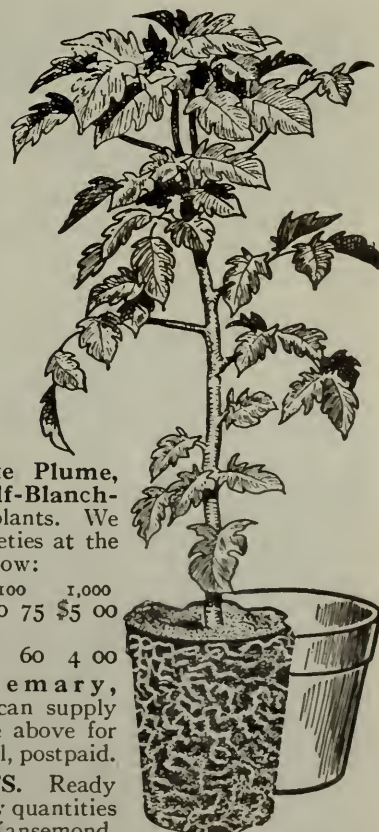
CELERY PLANTS, White Plume, Giant Pascal, Golden Self-Blanching. Early transplanted plants. We will supply the above varieties at the prices and dates named below:

From June 1	50	100	1,000
to June 20...	\$0 40	\$0 75	\$5 00
From June 20			
to July 15...	35	60	4 00

HERBS, Lavender, Rosemary, Thyme and Sage. We can supply nice growing plants of the above for 10c. each, 3 for 25c., by mail, postpaid.

SWEET POTATO PLANTS. Ready in May and June. We grow quantities of the Red and Yellow Nansemond, and will make contracts for large lots. 50 cts. per 100, \$4 per 1,000.

BUY YOUNG'S VEGETABLE PLANTS



Showing growth of our Tomato plants transplanted to pots. We grow other vegetable and flowering plants just as carefully.

Young's Select Flower Seeds



WHEN YOU remember how inexpensive flowers are, how perfectly easy they are to succeed with and how wonderfully satisfactory it is to really have as many of them as you want, it is a surprise that more people do not grow them. Even those who love them the most sometimes do not have as many as they should. Folks who have very small gardens, largely planted to vegetables, can still have flowers by sowing a few packets of seed around the edges of the plot. This makes an especially nice arrangement where the garden is at the edge of the lawn—the flowers then form a screen between the smooth grass and the broken ground of the garden.

Flowers serve such a great variety of uses that one can scarcely grow too many of them. In the first place, of course, every one loves the display that masses of them make in the garden or in beds. The bright color offers a show that is seen and admired by passers-by, making the grounds an object of admiration, and reflecting credit on the owner.

Then too, we all know how much a vase of flowers brightens up a room, and how a bouquet of them on the dining-table makes a whole meal more enjoyable; and flowers are an acceptable gift on almost any occasion.

We want to do our part to bring **more flowers** into every home; it is a matter of interest to us far beyond merely selling the seeds. We are offering a constantly increasing list of reliable flower seeds, in which our friends will find the reliable old favorites and the newer introductions—"novelties" some call them—which have proved worthy of trial.

There is not a "cheap" seed in the following list. We do not sell such seed. We first prove the **quality** and then put the price as low as we can. You can doubtless beat our **prices**, but you **cannot** beat our **quality**—and what does a few cents difference in first cost amount to, when you consider that the success or failure of your flower garden depends in very large measure on the kind of seed you sow.

General Cultural Suggestions. In general, flower seeds should be sown first in the house in boxes—a box about 18 x 24 inches and 4 inches deep is best—using very sandy soil that will not bake, and boring some holes in the bottom of the box for drainage. When the plants are in the third or fourth leaf they should be transplanted to another box containing rich loam mixed with leaf-mold. If given plenty of room, the plants will here develop a sturdy growth and will have a good start against the time they are transplanted to the garden.

If, on the other hand, seeds are to be sown directly in the garden, work the soil well and fertilize plentifully. Run a small furrow, sow the seed and cover very lightly with sand. When well started, thin the plants so that they will stand 2 to 12 inches apart in the rows, allowing each plant plenty of room. Always cultivate thoroughly.

Our list of flower seeds has again been carefully revised, and comprises only the choicest and most select types in their respective classes.

ASTERS

CULTURE.—Sow the seed from the middle of March to the first of May in shallow boxes or in a spent hotbed. When the plants are an inch high, transplant to warm, finely pulverized soil, from which they can be transplanted to their permanent location after development has commenced. Seed can be sown in the open ground as late as the last of May for late blooming. When given rich soil and plenty of water, Asters make fine pot-plants.

ASTER PLANTS, from Pots. After April 15. 50 cts. per doz., postpaid.

Six Beautiful New Asters

Early Snowdrift. The earliest Aster in cultivation; blooms in July; flowers white, of the ostrich-feather type. Pkt. 15 cts.

Lavender Gem. Charming lavender, deepening with age; flowers full, double, borne in profusion on long, slender stems. Flowers large. Pkt. 15 cts.

Purity. Snow-white, medium-sized flowers, borne like snowballs all over the compact plants. Pkt. 10 cts.

Daybreak. Delicate shell-pink flowers; round, large and full. Borne on long, stiff, erect stems. Pkt. 10 cts.

Royal Purple. Flowers large and full, with petals closing over the center; the flowers are especially durable and are borne till late fall. Pkt. 15 cts.

Ostrich-Feather, Yellow. Petals curled and twisted, producing an attractive feathery effect; plant branches close to the ground and blooms early in great profusion. Pkt. 15 cts.

SPECIAL OFFER. The above 6 varieties for 50 cts.

Simple's Branching Asters

The plants are branched and are wonderfully vigorous. They are really perfect bloomers, bearing large, graceful flowers on long, erect stems; continue blooming until fall. We offer colors as follows:

White	Flesh-Pink	Crimson
Lavender	Purple	Mixed Colors

Seed of any of the above colors, pkt. 10 cts.

SPECIAL OFFER. One packet each of the above 5 colors, 40 cts.

Giant Comet Asters

This strain bears enormous flowers on stiff stems—so exquisitely formed as to closely resemble Japanese Chrysanthemums. They are ideal for cut-flowers; plant grows 2 to 2½ feet high and blooms profusely. Colors as follows:

Crimson	Rose	Lavender
White	Purple	Mixed Colors

Seed of any of the above colors, pkt. 10 cts.

SPECIAL OFFER. One packet each of the above 5 colors, 40 cts.



PURITY ASTER Note the mass of bloom from one plant

Asters are among the most practical and satisfactory of flowers; plant them freely!

ASTERS, continued

Queen of the Market. One of the earliest first-class Asters; ready almost a month before the late-blooming sorts. The flowers are large, borne on long stems. Valuable for cutting. Mixed colors, including Crimson, Dark Blue, Rose and White. Pkt. 10 cts.

Hohenzollern. Flowers larger than those of the Giant Comet, with longer and more heavily curled petals; chrysanthemum-like in form and beauty. Mixed colors, including White, Blue, Crimson, Lilac, etc. Pkt. 10 cts.

Improved Victoria. The plants are vigorous growers, about 20 inches high; the flowers are borne in profusion and are of the most beautiful form—perfectly double, globular, with petals variously cut and marked. We offer mixed colors at 10 cts. per pkt.

Choice Mixed Aster Seed. All colors and sizes—many leading varieties. Pkt. 5 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts.

Antirrhinum · Snapdragon

Interesting bushy plants, growing 1 to 2 feet high, bearing liberal spikes of various-colored, deep-throated flowers which snap open and shut when pressed between the thumb and finger. Snapdragons are a sort of glorified form of the old-fashioned "Butter-and-Eggs" of the gardens of fifty years ago, but are not to be compared with the older flowers in beauty of form and variety of color.



ANTIRRHINUM

summer until frost. The pods which mature later on, are excellent for cooking, the same as regular string beans. Pkt. 10 cts.

Balsam · Touch-me-not

Plants bushy, thickly covered from June until frost with bright little rosette flowers quite similar to roses. Will grow and bloom almost anywhere.

Alba perfecta. Large white flowers. Pkt. 5 cts.

Mixed Colors. Including white, yellow, pink, etc. Pkt. 5 cts.

Balloon Vine · Love-in-a-Puff

Vigorous growing, fine climber, bearing small white flowers maturing seed vessels like toy balloons. Does best in a light, rich, warm soil. Pkt. 5 cts.

Bulbs, seeds, plants, roots and cuttings are not included in the parcel-post law of January 1, 1913. They remain third-class matter, which is 1 cent for two ounces to any part of the United States.

Dwarf Mixed. Plants grow about 12 inches high; many choice colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Tall Mixed. Plants grow about 2 feet high. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Alyssum

Very fragrant flowers, easily grown; fine for beds, edgings or for cutting.

Little Gem, or Carpet of Snow. The plant grows only about 6 inches high, but oftentimes spreading 2 feet or more in diameter; plants solidly covered with small white flowers; delightfully scented from summer until frost. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts.

Sweet Alyssum. A hardy annual blooming constantly from early summer until frost; flowers pure white, deliciously fragrant. Pkt. 5 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.

Saxatile compactum (Golden Saxatile, or Basket of Gold). A hardy perennial, commencing to bloom the first season after seed is planted; golden yellow flowers plants 9 inches high, fine for rockeries, etc. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Ageratum · Floss Flower

Showy plants blooming the whole summer; fine, feathery blossoms in small heads. Splendid for beds and borders.

Imperial Dwarf White. Plant 6 inches high with large white flowers. Pkt. 5 cts., $\frac{1}{4}$ oz. 20c.

Imperial Dwarf Blue. Large blue flowers; 8 inches high. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Little Dorrit. Plants 6 inches high and often a foot across; completely covered with azure-blue flowers. Pkt. 10 cts.

Blue Perfection. A new and splendid dwarf bedding plant with very dark blue flowers. Pkt. 10 cts.

Mixed Varieties. A splendid collection. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Aquilegia · Columbine

A very choice hardy plant—a great improvement over the old Columbines of grandmother's garden. Characterized by its long, graceful spurs; several to each flower.

Double Yellow. Deep golden flowers; very attractive when planted in clumps. Pkt. 10 cts.

Double White. Free bloomer. Pkt. 10 cts.

Mixed. Various colors. Pkt. 5 cts.

Butterfly Runner Bean

A vigorous climber bearing sprays of rich pink-and-white flowers from early



COMET ASTERS (see page 22)



IMPERIAL DWARF BLUE AGERATUM

Canary Bird Vine

A nasturtium-like plant with bright canary-yellow flowers; grows 15 to 20 feet in a season. The vines are rather delicate and attractive. Pkt. 5 cts.

Cobaea scandens

A half-hardy climbing annual with large leaves and large, trumpet-shaped flowers. The flowers are green until almost fully developed, when they turn bright purplish-blue; of Mexican origin, growing 25 to 30 feet, under favorable conditions. Pkt. 10 cts.

Calendula, Pot Marigold

A showy, free-flowering hardy annual, bearing quantities of bright attractive flowers, fine for cutting. It is in bloom until frost.

Mixed Varieties. Including yellow, orange and white. Pkt. 5 cts.

Campanula

Bellflower, or Cup and Saucer

Calycanthema. Attractive, bell-like flowers surrounded at the base by a circle of flat petals which give a peculiar "cup-and-saucer" effect from which the plant takes its name. The flowers are borne all summer, and are strikingly attractive.

Mixed Varieties. Various colors. Pkt. 5 cts.

Canterbury Bells

Similar to the above except that the circle of "saucer" petals is much less conspicuous. Flowers are single and come in various choice colors. Pkt. 5 cts.

Cypress Vine

A beautiful and attractive climber with delicate, finely marked dark green leaves and an abundance of star-shaped crimson and white flowers. The vine grows about 15 feet high. Colors as follows.

Scarlet. Pkt. 5 cts., oz. 20 cts.

White. Pkt. 5 cts., oz. 20 cts.

Mixed Varieties. Pkt. 5 cts., oz. 20 cts.

Canna · Indian Shot

The well-known and popular large-leaved plants so often used for bedding where handsome foliage effects are desired. Can be very easily grown from seed; soak the seeds in warm water until they commence to swell and then sow in sandy loam in a hotbed. When up to the second leaf, pot off singly and keep under glass until warm enough to plant outdoors.

Tall Varieties. Pkt. 5 cts.

Dwarf Varieties. Pkt. 5 cts.

I received the rose bushes and carnations. All were in a good condition, and am very well pleased with the order.—Mrs. A. C., Mo.



TYPES OF ANNUAL CHRYSANTHEMUMS

Chrysanthemum

Large-flowering Chinese. Large, double flowers from the best named varieties; choice mixed colors. Pkt. 25 cts.

Maxima præcox. Compact-growing bushes covered with pure white flowers. Pkt. 10 cts.

Morning Star. A superb variety, having immense flowers of beautiful soft yellow or primrose shade; grows 10 inches high. Pkt. 10 cts.

Candytuft Large-Flowering

Highly prized among garden flowers; bears panicles or pyramidal heads of dainty flowers continuously from summer until frost. Among the choicest of old-time flowers; quaint and interesting.

White Rocket. Pure white flowers. Pkt. 5 cts., oz. 20 cts.

Queen of Italy. A dwarf variety of erect growth; heads thickly set with fine pink flowers. With a little care the plant will live for several years. Pkt. 10 cts.

Gibraltarica. Bears red, rose and white flowers; plant of vigorous growth and entirely hardy. Pkt. 10 cts.

Mixed Varieties. All annuals, many colors. Pkt. 5 cts., oz. 20 cts.

Mammoth Cosmos

The plants and flowers are among the most graceful of our garden creations. The plants grow from 4 to 6 feet high and have many splendid branches set with finely cut feathery foliage. In early fall the flowers are borne in such profusion as to almost cover the plants. These flowers vary in color but are all alike dainty and pleasing, with their broad, open petals surrounding the golden heart. Cosmos continue blooming until killed by frost and are splendid for cutting as well as for garden display.

CULTURE.—Plant seed in open ground as early in the spring as possible; or start the plants indoors and transplant them later.

Early-flowering. The earliest flowering variety in cultivation; if sown in open ground in early May will commence to flower in July, continuing until frost. Flowers brilliant pink on long stems; plants about 4 feet high. Two colors, as follows:

Pink. Pkt. 10 cts.

White. Pkt. 10 cts.

Klondyke. A pleasing novelty with orange-yellow flowers. Pkt. 10 cts.

Giant of California. Magnificent strain, producing enormous specimen flowers, perfectly formed and of many rich, brilliant colors; these will keep for a week in water. We offer colors as follows.

Pink. Pkt. 10 cts.

Crimson. Pkt. 10 cts.

White. Pkt. 10 cts.

Mixed. Many choice colors. Pkt. 10 cts.

Young's Choice Mixed. Leading varieties and colors. Pkt. 5 cts., 1/2 oz. 25 cts.



MAMMOTH EARLY COSMOS

Carnations

Large-Flowering

We consider these the most magnificent of the Pinks and deserving of general cultivation because of their delightful flowers and richness of color. Sow seeds in open ground or under glass in the spring. With a little protection during the winter they can be grown as hardy perennials.

Perpetual. Double, fine for winter-blooming. Our seed is obtained from the finest type of flowers. Pkt. 15 cts.

Picotee. Lovely double varieties; mixed colors. Pkt. 15 cts.

Marguerite Carnation

Deservedly popular because of the lovely quality of the flowers and the fact that the plants begin to bloom within a few weeks from the time of sowing. Long, strong stems; large, double, highly-scented flowers, beautifully fringed; with slight protection they will survive an ordinary winter and bloom freely the following spring. We offer colors as follows:

Giant White. Pkt. 15 cts.

Giant Red. Pkt. 15 cts.

Giant Rose. Pkt. 15 cts.

Giant Striped. Pkt. 15 cts. **Giant Mixed.** Pkt. 15 cts.



GIANT-FLOWERING SWEET SULTAN

Calliopsis

One of the easiest grown of the annuals; can be used anywhere and produces splendid effects with its brilliantly colored blossoms. The plants bloom nearly all the time, after they have gotten a good start. Sow seed thinly when the weather becomes warm and the soil dry.

Tom Thumb. Forms a compact plant a foot high; various colors, mixed. Pkt. 10 cts.

All Colors, Mixed. Pkt. 5 cts.

Coreopsis

Quite similar to the above with choice, daisy-like flowers in profusion.

California Sunbeam. An improvement over the well-known Lanceolata, having larger and deeper flowers of rich, golden yellow. Pkt. 10 cts.

Golden Wave. A compact, bushy plant bearing masses of beautiful golden flowers, often 2 inches in diameter; blooms all summer. Pkt. 5c.

Cockscomb • Celosia

The "flowers" of this plant are a distinct novelty; they consist of gracefully drooping, plummy heads more like a brilliant ostrich feather than anything associated with the popular idea of flowers. In some varieties these come in clusters measuring 10 to 12 inches in length; in others they are smaller, but the coloring is always brilliant and distinctive, especially when planted in groups.

CULTURE.—The seed can be sown where they are to bloom if they can be started indoors and transplanted into rich soil about the time the combs begin to form. With the latter treatment the heads will be much larger and finer.

Dwarf Mixed. Many colors such as brilliant red, golden, pink, etc. Pkt. 5 cts.

Tall Mixed. Pkt. 5 cts.

Centaurea Cyanea Cornflower

These are popular old-fashioned flowers including such well-known varieties as Bachelor's Button, Sweet Sultan, etc.

Emperor William. The true, deep blue "Bachelor's Button," much valued for small bouquets. Pkt. 5 cts.

Rosea. Rosy pink. Pkt. 5 cts.

Alba. White. Pkt. 5 cts.

Mixed Colors. Pkt. 5 cts.

Centaurea Imperialis Giant-Flowering Sweet Sultan

This interesting group of flowers includes also such well-known plants as Bachelor's Button or Cornflower, etc. All are well worth planting.

Margaret. Large, pure white flowers on long stems; delightfully scented. Pkt. 5 cts.

Suaveolens. The popular yellow Sweet Sultan; large, fragrant flowers. Pkt. 5 cts.

Chameleon. Yellow and rose flowers; very fragrant; an elegant variety. Pkt. 5 cts.

Mixed Varieties. Many choice colors. Pkt. 5 cts.

Centaurea gymnocarpa

White-Leaved Centaurea, or Dusty Miller

Valued for their foliage, which is of a silvery white; valuable for edgings, hanging baskets, etc. Pkt. 5 cts.

English Daisy

Easily raised from seed sown in spring, blooming very late. They should be given a cool, shady place if possible, but this is not essential. Admirable for edgings, borders, and pot culture.

Giant Red. Beautiful double flowers, variously tinted with rose. Pkt. 10 cts.

Snowball. Pure white flowers on long stems. Pkt. 10 cts.

Double Mixed. Many choice colors of fine double flowers. Pkt. 10 cts.

Shasta Daisy

The finest of all the hardy or perennial Daisies; a notable introduction of Luther Burbank. The flowers are pure white, averaging 4 inches across, on long, stiff stems; blooms freely for several months and the flowers will remain fresh sometimes two weeks after cutting. Pkt. 10 cts.

Dolichos Hyacinth Bean

A rapid-growing, free-flowering annual climber, strongly resembling sweet peas in formation and coloring. Fine for covering trellises, arbors, etc. The seed-pods are also very ornamental. Sow seed where the plants are to grow after all danger of frost is over.

Daylight. A splendid Japanese variety with large, snowy white flowers. Pkt. 5 cts.

Darkness. Deep reddish or velvety purple flowers. Pkt. 5 cts.

Mixed Colors. All best climbers. Pkt. 5 cts., oz. 25 cts.



SHASTA DAISIES



HARDY PINKS (DIANTHUS)

Dianthus · Pinks

The flowers are about half as large as average-sized carnations and are valuable for garden culture because they bloom all summer, supplying a very pleasing display when other flowers are scarce. They are good for cutting. Sow seed of annual varieties in open ground as soon as danger of frost is past. They will do well with ordinary cultivation.

HARDY GARDEN, or CLOVE PINKS

The flowers have a delightful fragrance like cloves; plants perfectly hardy, and will continue blooming year after year.

Perpetual Blooming. A new and beautiful strain with large, round flowers of light rose, copper, crimson and flesh. Blooms in great abundance. Pkt. 10 cts.

Scotch Pink. Flowers delicately fringed, variously colored; fragrant, attractive, fine for bouquets. Pkt. 10 cts.

ANNUAL PINKS

Single Mixed. Including many rich shades of Crimson, Pink, Mauve, Salmon, etc. Pkt. 5 cts.

Double Mixed. Including choice double-flowering varieties in many fine colors. Pkt. 5 cts.

Japanese. Attractive, distinct flowers of Japanese origin. The petals are deeply cut, finely fringed, much twisted and of various colors—white to deep red. Fine for cutting and thoroughly desirable. Plant grows to be 15 inches high. Pkt. 10 cts.

Dahlias

The plants are easily grown and bloom the first season from seed. For best results, start them early in a box of rich earth in a sunny window or in the greenhouse. By sowing the seed you secure many choice colors and frequently get some entirely new and distinct types.

Twentieth Century, or Orchid-flowered. A truly exquisite variety with flowers 2 to 8 inches in diameter. These occur in many new and unique combinations of color, and have a rich velvety sheen and an elegance and distinctiveness that cannot be described fairly. Pkt. 10 cts.

Single Mixed. Immense single flowers in many beautiful colors, including many charming, spotted and striped varieties. Pkt. 10 cts.

Double Mixed. Large flowers. Our seed is saved from select and perfectly double varieties. Pkt. 10 cts.

Digitalis · Foxglove

A hardy perennial with a peculiar characteristic dignity which commends it for planting in every garden. The flower-spike is a tall, erect stalk about 3 feet high, and the individual flowers are deep throated, variously colored and spotted. This plant has a "distinguished" air which makes it very attractive. It does best in a fairly moist soil, and loves a partially shaded situation.

Mixed. All colors. Pkt. 5 cts.

Bulbs, seeds, plants, roots and cuttings are not included in the parcel-post law of January 1, 1913. They remain third-class matter, which is 1 cent for two ounces to any part of the United States.

Delphinium · Larkspur

Hardy plants of great beauty; the types now offered are a vast improvement over those formerly grown in the old-fashioned gardens, while retaining all of the quaint charm and grace of those lovely old flowers. The individual blossoms are broad and open out rather flat; borne on erect spikes, sometimes 4 or 5 feet high. The flowers come in charming shades and combinations of blue—often dark and light petals in the same flower. Will bloom the first year if seed is sown early. The variation in height makes it possible to plant these in interesting combinations—dwarfs and tall sorts making a pleasing contrast.

Mixed Varieties. Pkt. 5 cts.

Echinocystis · Wild Cucumber

A well-known vine of rapid growth covered nearly all summer with odd cucumber-shaped fruits thickly set with soft prickles. The vine, leaves and fruits all remain fresh in the severest drought; new vines start each spring from the previous year's seed. Pkt. 5 cts.

Eschscholtzia · California Poppy

Remarkably quick-growing plants with finely cut foliage like cosmos and bright, dainty blossoms of a lovely waxy texture. The flowers are wide open, half open and in bud on the plants at the same time and, while not very durable, they are surpassingly lovely and should be included in every garden border.

CULTURE.—Sow in shallow drills in open ground where the plants are to remain. When well up, thin to 8 inches apart; they commence to bloom early and continue until frost. Plants grow about 1 foot high.

Golden West. Enormous flowers $3\frac{1}{2}$ to 6 inches across; bright yellow and orange variously shaped. Pkt. 5 cts.

Mandarin. Petals rich orange inside, bright scarlet outside. Pkt. 5 cts.

Crimson King. Brilliant crimson outside, dark red inside. Pkt. 10 cts.

Mixed. All the best varieties of single flowers. Pkt. 5 cts.

Forget-me-not

Handsome and popular flowers of exquisite sky-blue with white center on long, stiff stems. The plants continue blooming from quite early until frost—or, in fact, throughout the winter if potted and carried into the house. Provide a good, rich soil with plenty of moisture and some shade.

Mixed Varieties. Pkt. 10 cts.



GAILLARDIA (BLANKET FLOWER). See page 27

Gaillardia · Blanket Flower

A beautiful flower on the order of the daisy, but opening in brilliant shades of orange, crimson, and scarlet with handsome dark center. The plants are entirely hardy and should be well fertilized for best results. If the seed is sown early they will begin blooming in midsummer and continue until frost. The plants are among the very choicest of the hardy perennials, and, when well established, will do very well indeed, with little care.

Grandiflora. Large flowers, with dark crimson centers, marked with rings of many brilliant colors. Pkt. 5 cts.

Gipsy Queen. Daisy-shaped flowers on long stems; red and yellow inside. Has a good, long blooming period. Pkt. 5 cts.

Mixed Varieties. A fine assortment of brilliant single sorts. Pkt. 5 cts.

Globe Amaranth

A dwarf hardy annual, with purple, white and red flowers, which when dried retain their original color, form and luster, and are often used in winter bouquets. Plants 12 inches high.

Mixed. Reddish, purple, white, etc. Pkt. 5 cts.

Gourds, Ornamental

Wherever a fast-growing vine is wanted to quickly cover some unsightly fence or building or to provide immediate shade over a veranda or window, these are unsurpassed. Sometimes the vines will grow 20 to 30 feet in a season. In some varieties the blossoms are showy and in all sorts the little squash-like fruits add quite an ornamental touch to the vine as they mature. These are hard shelled and can be hollowed out and turned to such practical uses as toys for children, dippers and such utensils. Plant and cultivate like melons.

Dipper. Fruits grow rather large with a long stem serving as a handle. Make an excellent dipper or skimmer. Pkt. 5 cts.

Chinese Luffa. The "Towel Gourd." The inside is filled with a peculiar absorbent fiber which many housewives use for dish-cloths. Pkt. 5 cts.

Japanese Nest-Egg. About the size and shape of an egg and can be used as a nest-egg. Pkt. 5 cts.

Mixed. Including the above varieties. Pkt. 5 cts., oz. 25 cts.

Gypsophila · Baby's Breath

A charming hardy plant, producing delicate little flowers in feathery white panicles or sprays. Fine for bedding and cut-flowers. Pkt. 5 cts.

Heliotrope

Produces dainty lavender-shaped flowers of delightful fragrance and great lasting qualities. Can be used as bedding plants in summer or pot-plants in winter. Heliotropes can be raised from seed the same as verbenas.

Mixed. Best assortment of all shades, both light and dark. Very desirable. Pkt. 10 cts.



KOCHIA, SUMMER CYPRESS



OLD-FASHIONED HOLLYHOCKS

Hibiscus · Marshmallow

Well adapted to background and shrubbery borders; plants bloom the first season. Enormous wide-open flowers in various colors, including white and glorious shades of pink and crimson. Pkt. 10 cts.

Helianthus · Garden Sunflower

Hardy annuals of stately growth valued for their large, brilliant flowers. These are fine for cutting and make a very showy display in the garden when used as a background for beds, for borders and to produce a "perspective," making the garden appear larger than it really is.

Silver-leaved. Plants grow 5 feet high, with attractive silvery foliage. Pkt. 5 cts.

Californicus flore pleno. Extra-large, very double flowers. Pkt. 5 cts.

Miniature. Single flowers, rich golden yellow with black center. Blooms abundantly, commencing in July and continuing until frost. Plants 4 feet high, heavily branched. Pkt. 5 cts.

Mammoth Russian. Single flowers of immense size. Plants 5 to 8 feet high. Pkt. 5 cts.

Hollyhock

All our Hollyhock seed is saved from the finest and largest double flowers, and will come full double in the choicest colors. Sow the seed as early as possible.

White. Pkt. 10 cts.

Pink. Pkt. 10 cts.

Red. Pkt. 10 cts.

Yellow. Pkt. 10 cts.

Maroon. Pkt. 10 cts.

Mixed. Pkt. 10 cts.

Alleghany. The flowers are of distinct form with finely fringed and cut petals. They are large and quite double, and show a wide range of coloring. Pkt. 10 cts.

Kochia · Summer Cypress, or Fire Bush

A plant of remarkably quick growth, forming a dense, many-branching bush, 2 or 3 feet high and almost as broad. The leaves are slender and light green until September, when they turn blood-red. At the same time the ends of the shoots blossom thickly with small, bright scarlet flowers. Altogether the effect is most striking. Sow seed in open ground early as possible in spring. Pkt. 10 cts.

Humulus • Japanese Hop

Japonicus. A vigorous climber with green flowers; a tender annual. Pkt. 5 cts.

Variegatus. Distinguished by its attractively variegated leaves; has no flowers of any account. Pkt. 5 cts.

Japanese Kudzu Vine**Jack-and-the-Bean-Stalk**

A very rapid-growing, hardy vine which increases in size and vigor year by year. Fine for trellises, arbors, etc. Pkt. 10 cts.

Larkspur

See also *Delphinium*, page 26

Dwarf Rocket. Attractive plants, growing about a foot high and producing typical Larkspur flowers in various shades of blue. Pkt. 5 cts.

Tall Rocket. Various colors; choice varieties; plants 2½ feet high. Pkt. 5 cts.

Lobelia

Annual plants of dwarf, compact growth, 4 to 6 inches high, covered quite thickly with small, star-like flowers; pretty when grown as an edging for flower beds, as a hanging basket or vase plant, or potted for indoor blooming. Sow seed in boxes in a warm, sunny window, or in shallow drills outdoors when forest trees are first coming out in leaf. Cover seed very lightly, and keep free from weeds.

Crystal Palace Compacta. Dark blue, fine for edgings or bedding where a considerable space is to be covered. Pkt. 10 cts.

Mixed Varieties. Choice strains. Pkt. 5 cts.

Lathyrus • Hardy Sweet Peas

A perfect reproduction of sweet-pea flowers, but lacking their fragrance. The vine is hardy and is a vigorous grower and the flowers are produced in profusion. Mixed choice colors. Pkt. 5 cts.

Lantana

Free-blooming plants of quick growth; flowers in large clusters; very fragrant and continually changing their color. The flowers are succeeded by berries which turn deep blue when ripe. Though a fine summer plant, it is equally good for winter-blooming. Sow seed indoors or in a hotbed. Choice mixed colors, Pkt. 5 cts.

Mormordica

Known also as Balsam Apple and Pear. Very vigorous vines, climbing rapidly; ornamental foliage and golden yellow fruit, opening when ripe to show the orange and blood-red interior.

Balsam Apple. Pkt. 5 cts.

Balsam Pear. Pkt. 5 cts.

**Mesembryanthemum
Ice Plant**

Crystallinum. A pretty little trailing plant with fresh, wax-like leaves having a peculiar frosty or icy appearance; fine for rock-work, vases and hanging-baskets. White flowers. Pkt. 5 cts.

My plants and bulbs came in fine condition; more and better than I expected.
—Mrs. L. McBride, Jefferson City, Mo.



MOONFLOWER

Morning-Glory

We offer some very fine types of the choice new introductions in numerous glorious shades including the Japanese types with their immense flowers.

Japanese. The flowers are immense, gloriously marked and colored in every conceivable shade and combination—Pink, Rose, Brilliant Red, Copper, Crimson, Blue, Purple, Indigo, etc. Some are edged with white and some are pure white.

Choice Mixed Varieties. Of the above. Pkt. 10 cts., oz. 35 cts.

Japanese Mikado. Very choice sort. Pkt. 10 cts., oz. 35 cts.

Double White Tassel. Flowers double and fringed; pure white, marked with delicate purple in the center. Pkt. 10 cts.

Mixed. Leading varieties, including all standard colors. Pkt. 5 cts., oz. 10c.

Setosa**Brazilian Morning-Glory**

Double golden flowers in large clusters; stems and vines covered with tiny red prickles and maturing at intervals clusters of curious seed pods. Pkt. 5 cts.

Mignonette • Reseda

A dainty compact little flower; fine for the edging of beds and similar uses; flowers may be had throughout the season by sowing early in spring and again in August.

Golden Queen. Produces enormous spikes of orange-yellow flowers. Pkt. 5 cts.

Matchet. Fine for potting; of dwarf growth; a profuse bloomer with highly colored flowers. Pkt. 5 cts.

Mixed. Good standard varieties. Pkt. 5 cts., oz. 15 cts.

Moonflower • Ipomoea

Grows like the Morning-Glory and bears similar flowers, which open at night and remain in good condition until noon the next day—or all day if cloudy.* These flowers are very fragrant and often measure 7 inches in diameter.

White Moonflower. The well-known Moonflower with pure white blossoms. Pkt. 10 cts.

Heavenly Blue. A splendid climber with large, light blue flowers with yellow throat, produced in clusters; large leaves. Pkt. 5 cts.

Marigold

Good-sized bushy plants producing flowers like quilled dahlias.

Tall African Mixed. Very large flowers in brilliant tones of orange and lemon. Pkt. 5 cts.

Dwarf French Mixed. Rather small, velvety flowers in pleasing shades of yellow, blue and maroon. Pkt. 5 cts.

Marvel of Peru**Four O'Clocks**

Old-fashioned flower resembling Petunias. Variegated. Pkt. 5 cts.

Mixed. Including variegated sorts. Pkt. 5 cts., oz. 10 cts.

Maurandia

Delicate and graceful climbers; 6 to 10 feet high. They are very free bloomers and can be grown indoors or out. White, Rose, Purple and Blue. Choice mixed varieties. Pkt. 5 cts.



SINGLE MORNING-GLORIES



NASTURTIUMS

NEW TALL GIANT-FLOWERING NASTURTIUMS

These are notable improvements upon the old-style Nasturtiums, having larger flowers in richer colors. They will thrive even in poor soil.

King Theodore. Deep crimson-maroon, almost black, petals of velvety texture; foliage dark. Pkt. 5 cts., oz. 15 cts.

Pearl. Nearly white; contrasts finely when planted with, or near, the preceding. Pkt. 5 cts., oz. 15 cts.

Scheurianum. Straw-colored flowers, striped brown. Pkt. 5 cts., oz. 15 cts.

Atropurpureum. Rich pink or purple, the finest of its color. Pkt. 5 cts., oz. 15 cts.

Dunnett's Orange. Deep orange, blotched with crimson. Pkt. 5 cts., oz. 15 cts.

Hemisphericum. Dense, roundish plants with variously shaded flowers of orange, salmon and scarlet; leaves large. Pkt. 5 cts., oz. 15 cts.

Coccinea. Brilliant flaming scarlet; the richest red; very desirable. Pkt. 5 cts., oz. 15 cts.

Luteum. Flowers often 3½ inches across; strong yellow; long, strong stems. Pkt. 5 cts., oz. 15 cts.

SPECIAL OFFER. One packet each of the above 8, 25 cts.

Mixed Varieties. Choice sorts. Pkt. 5 cts., oz. 10 cts.

NEW DWARF, or TOM THUMB NASTURTIUMS

Nasturtiums of this class grow about a foot high, in bushy form, and are fine for bedding, bordering and massing; they grow with little care and produce magnificent displays of flowers in rich, brilliant colors.

Aurora. Bright chrome-yellow flowers; lower petals shaded and blotched carmine. Pkt. 5 cts., oz. 15 cts.

Lady Bird. Handsome golden yellow; every petal marked with a broad band of ruby-crimson. Pkt. 5 cts., oz. 15 cts.

Pearl. Creamy white; very desirable. Pkt. 5 cts., oz. 15 cts.

Crystal Palace Gem. Sulphur-yellow with bright red spots. Pkt. 5 cts., oz. 15 cts.

Empress of India. Fiery crimson flowers and purple leaves. Pkt. 5 cts., oz. 15 cts.

Golden King. Rich orange-yellow with dark leaves. Pkt. 5 cts., oz. 15 cts.

King of Tom Thumbs. Flowers very dark scarlet, glowing, velvety; handsome foliage; valuable sort. Pkt. 5 cts., oz. 15 cts.

Cloth of Gold. Bright golden yellow leaves and brilliant scarlet flowers; plant grows very compact, producing a handsome effect when planted in mass. Pkt. 5 cts., oz. 15 cts.

SPECIAL OFFER. One packet each of the foregoing 8 varieties, 25 cts.

Mixture. Choice varieties of Dwarf Nasturtiums. Pkt. 5 cts., oz. 10 cts.

LOBB'S CLIMBING NASTURTIUMS

Very superior to the ordinary tall Nasturtiums in brilliancy, size of flowers, and vigor of growth. They can be used for covering verandas, trellises, etc., and also for planting in vases and hanging baskets.

Asa Gray. Lightest of all Nasturtiums; flowers pale sulphur-yellow. Pkt. 5 cts., oz. 15 cts.

Brilliant. Dark foliage; flowers glowing scarlet. Pkt. 5 cts., oz. 15 cts.

Spitfire. Brilliant scarlet; wonderfully profuse bloomer. Pkt. 5 cts., oz. 15 cts.

Napoleon III. Rich orange-yellow flowers blotched with carmine at base of petals. Pkt. 5 cts., oz. 15 cts.

Chaixianum. Intense orange-scarlet flowers, faintly marked at base with deeper colors; lower petals heavily fringed at throat. Pkt. 5 cts., oz. 15 cts.

Roi des Noirs. Very dark, rich crimson flowers of rare velvety texture. Pkt. 5 cts., oz. 15 cts.

SPECIAL OFFER. Above collection of 6 varieties, one packet each, 25 cts.

Mixture. Choice coloring; good selection from the above varieties. Pkt. 5 cts., oz. 10 cts.

MADAM GUNTHER HYBRID CLIMBING NASTURTIUMS

Of French origin, surpassed by none; the flowers appear in rich and striking colors running through white, golden yellow, pink, bright rose, yellow and orange; beautifully shaded and marked with maroon, carmine, etc.

Words cannot properly describe the colorings, but we recommend these varieties most highly. Pkt. 5 cts., oz. 15 cts.

GIANT DWARF NASTURTIUMS, Variegated Foliage

Queen of Tom Thumbs. Richly marked with light spots; flowers rich crimson. Pkt. 10 cts.

Black Prince. Flowers almost black, deeply shaded with purple. Pkt. 10 cts.

Nicotiana**Sweet-Scented Tobacco Plant**

Affinis. Flowers tubular and deep throated; pure white and very fragrant, especially after sundown. If plants are potted and taken indoors they will bloom all winter. Pkt. 5 cts.

Nigella • Love-in-a-Mist

This popular old-fashioned plant bears odd, cornflower-like blossoms and peculiar seed-pods closely surrounded by its finely cut, delicate leaves, of various colors.

Mixture. Pkt. 5 cts.

Giant Trimardeau Pansies

The flowers in the following Trimardeau collection are fully twice as large as the ordinary Pansies; in color, texture and formation we do not believe anything has ever been offered to equal them.

Adonis. Very bright red.

Violet-Blue. Dark marine-blue.

Golden Queen. Clean, spotless yellow.

Fire King. Dark maroon.

Black Prince. Dark velvety; almost black.

Striped. Yellow and red.

White. Blue blotches on white ground.

Lord Beaconsfield. Purple, shading to white.

Emperor William. Royal purple.

Violet and Gold. Very fine.

Margined. Purple, edged with white.

Yellow Prince. Yellow with black center.

Price of any of the above varieties of Trimardeau Pansies.

Pkt. 10 cts.

SPECIAL OFFER.—One pkt. of each of the above 12, 75 cts.

Trimardeau Mixed. A choice assortment of the above colors. Pkt. 10 cts., 1/2 oz. 50 cts.

Large-flowered Pansy Mixture. Pkt. 5 cts., 1/2 oz. 35 cts.

Petunias

A particularly desirable annual, because it does so well in dry seasons; can be grown nearly anywhere. The colors are varied and attractive, and the double varieties have the further advantage that they can be propagated in the fall from cuttings taken from the summer beds, for indoor blooming in the winter. Provide good soil and a sunny situation.

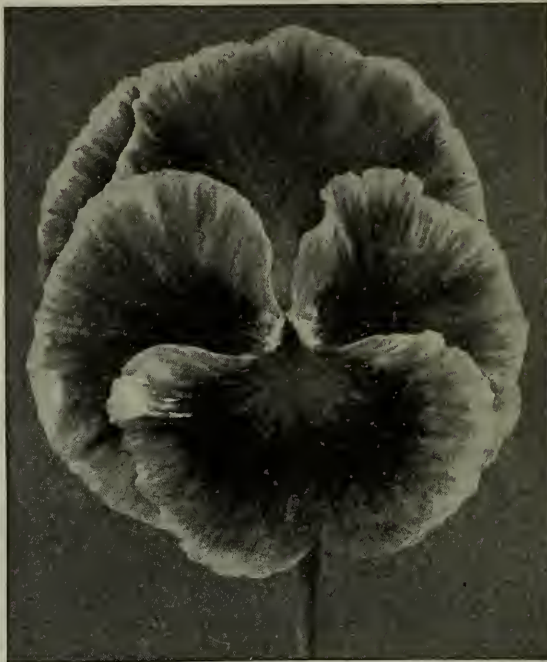
Double Mixed. A careful selection of the best, large-flowering and fringed double Petunias. Our seed is saved from carefully hand-fertilized flowers, grown in pots. It is well-known, of course, that not all the flowers in any so-called "double-collection" will really come double, but ours run 20 to 30 per cent, and the balance are very handsome single flowers. Pkt. 25 cts.

Giants of California. Enormous flowers, sometimes 4 or 5 inches across; deeply veined and ranging in color from pure white to crimson, lavender, pink, etc. Pkt. 15 cts.

Snowball. A very choice single variety of compact growth bearing pure satiny white flowers all summer. Pkt. 10 cts.

Dwarf Inimitable. The "Star Petunia," with cherry-red flowers, white-centered. Pkt. 10 cts.

Single Mixed. Many very desirable colors; decidedly choice. Pkt. 5 cts., oz. 40 cts.



GIANT PANSY

every petal forming a white cross as you look down into the flower. Pkt. 5 cts.

Scarlet Field. Common throughout Europe where it is planted in great masses along railroads and in fields. Makes a magnificent show when blooming. Pkt. 5 cts., 1/4 oz. 15 cts.

Shirley Mixed. Large and elegantly formed flowers, generally single, occasionally semi-double and double. The colors are of exquisite shades, ranging from purest white to deepest blood-red; through combinations of pink, rose, crimson and endless markings, no two flowers alike. Choice mixed seed. Pkt. 5 cts., 1/4 oz. 15 cts.

Single Mixed. A splendid combination of the best single-flowering Poppies in a great combination of brilliant and delicate colors. Pkt. 5 cts., oz. 35 cts.

Double Mixed. Carefully selected doubles. Pkt. 5 cts., oz. 35c.

PERENNIAL POPPIES

These plants are entirely hardy and the roots live on and increase for a number of years.

Iceland. Graceful plants with fern-like leaves, bearing in great profusion yellow, white, or orange-scarlet flowers on splendid stalks a foot long. Fine for cutting. Pkt. 10 cts.

Oriental. Flowers are sometimes over 6 inches across; shaded cherry, orange, dark red, brilliant crimson and other magnificent combinations.

Mixture. Contains all of the above. Pkt. 10 cts.

Portulaca Rose Moss

Hardy, low-growing annuals with dainty flowers shaped somewhat like a dainty California Poppy, and small, thick, fleshy leaves. The blossoms are of many colors and the plant will succeed in warm, dry soils. Will continue to put out flowers even through the hottest, driest summers; blooms from July until frost. We offer single varieties in the following colors at 5 cts. per packet: White, Striped, Yellow, Variegated, Crimson, Rose.

SPECIAL OFFER.—One pkt. of each of the above, 20 cts.

Single Mixed. Pkt. 5 cts., oz. 40 cts.

Double Mixed. Pkt. 10 cts.

Plants arrived O. K. in fine order, and I was very much pleased with them. Accept my thanks for your promptness. —Mrs. G. M., June 7, 1912.

Remember that we handle Iron Age Tools and other garden supplies.



MIXED PETUNIAS

Platycodon**Chinese Bellflower**

Upright plants, well branched, bearing a succession of large, showy deep blue or white flowers, from June until frost. Mixed colors, 5 cts.

Pyrethrum**Feverfew**

A dwarf plant with bright yellow, aromatic leaves; largely used for borders, etc.

Golden Feather. Pkt. 5 cts.

Album. Pkt. 5 cts.

Phlox

We do not believe that anything can excel the *Phlox Drummondii* for potting, edging, or massing; the colors run from pure white to deep reds and purples. Sow seed in the open ground any time after the weather gets warm enough, or sow in hotbed and transplant; either way you will get brilliant displays all summer, although they will, of course, commence earlier if started in hotbeds. Set the plants a foot apart.

We offer the following named varieties of *Drummondii grandiflora*, which matures large, finely developed heads of bloom in splendid display.

White Deep Rose Purple
Pink Blood-Red Crimson

Price of the above, pkt. 10 cts.

SPECIAL OFFER. One packet each of the above collection of 6 colors, 30 cts.

Choice Mixed Seed of Above. Pkt. 10 cts., oz. 75 cts.

Dwarf Mixed Phlox, Large-flowering. The flowers are as large as the finest *Grandiflora*, but the plant is of dwarf, compact growth. A splendid combination of coloring. Pkt. 10 cts.

Star-shaped. The petals are long and pointed, forming a perfect star; plants dwarf and compact. Our mixture contains many showy colors; fine for bouquets. Pkt. 10 cts.

Hardy, Mixed Varieties. Choice selection of colors. Pkt. 10 cts.

Ricinus · Castor-Oil Bean

Plants grow very tall; of vigorous growth, with large, silvery, ornamental leaves and peculiar flowers and seed-pods. Showy till frost.

Zanzibarensis. Enormous leaves, varying in color from bright crimson to purplish red. Pkt. 5 cts., oz. 20 cts.

Borboniensis arboreus. Grows 15 feet high, with great, showy leaves. Pkt. 5 cts.

Gibsonii. Dark, purplish red leaves. Pkt. 5 cts.

Mixed. Fine assortment of the above. Pkt. 5 cts., oz. 10 cts.

Smilax

A dainty climbing plant with graceful, slender stems and small, light green leaves; used as "greens" for bouquets, and for baskets, window-boxes, etc. Pkt. 10 cts.

Scabiosa

Large double flowers of many lovely colors, on long, slender stems. Plants bloom from July until late fall. These are among the very choicest of all flowers for cutting.

Nana compacta. Free-blooming and durable. Fine for cutting. Pkt. 5 cts.

Tall Mixed Varieties. Splendid selection of colors. Pkt. 5 cts.



STOKESIA CYANEA

Salvia**Scarlet Sage**

One of the showiest of our late summer-and-autumn-flowering plants; useful for mass planting or for edging beds of cannas or other tall foliage plants. Salvias grow 24 to 30 inches high and bear spikes of brilliant crimson flowers; they are in bloom constantly until killing frost. Sow seed early in hotbed, or window-boxes, so that good, strong plants can be set out by the latter part of May. Plant them 1 foot apart.

Splendens. Commences blooming early in the summer; bears profuse clusters of bright scarlet flowers. Pkt. 10 cts.

Bonfire. Vigorous, erect plants bearing the flower spikes well above the foliage. The blossoms are bright, dazzling scarlet, almost covering the plant. Pkt. 10 cts.

Burning Bush. Bears the largest individual spikes of flowers of any. Sometimes these are 18 inches long, and of an intense, rich scarlet. Pkt. 10 cts.

Zurich. A new dwarf variety, generally not over 12 inches high. Compact, beginning to bloom early in June and continuing until autumn. Flowers in erect spikes, brilliant scarlet. Pkt. 15 cts.

Stocks · Gilliflower

A rather low-growing plant, forming graceful spikes of flowers like well-developed hyacinths. Many charming colors, delightfully scented.

Dwarf German Ten Weeks. Earliest of all; flowers in almost every desirable tint. Pkt. 5 cts.

Cut-and-Come-Again. Fine for cutting. The flowers bloom in constant succession until late fall. Flowers pure white and very double. Pkt. 10 cts.

Giant Perfection. Finest mixed flowers; plant of pyramidal growth. Pkt. 10 cts.

Sweet William

Beautiful plants, hardy and easily grown. Flowers of the richest colors, delightfully scented. Sow seed in open ground in early spring for autumn flowers, or in August for spring flowers. For best results, make a new bed each year.

Single Mixed. All colors and shades. Pkt. 5 cts.

Double Mixed. All colors and shades. Choice assortment. Pkt. 5 cts.

Stokesia Cyanea**Cornflower Aster**

Every one knows this lovely Cornflower with its delicate flowers of lavender. It blooms from early July until frost. The plant is of easy culture and will add "atmosphere" to any garden. Pkt. 10 cts.

I write to tell you we received the plants and bulbs in fine condition, and think they were beautiful. We were well pleased and want to thank you for the extra ones you put in. They were all as good and more than we expected.—Mrs. D. M. Fenton.

The bulbs reached me promptly and are the nicest ones I have ever had. They are so good and solid. The fern you sent me "gratis" is a beauty, and please accept thanks for it.—Mrs. Ernest Neill.



SCARLET SAGE (SALVIA)

Sweet Peas

We offer a number of choice new colors of the excellent Countess Spencer type of Sweet Peas. These have longer stems, generally bearing four unusually large flowers to the stem. They are all of improved types, and we recommend them confidently.

Aurora Spencer. Wonderfully delicate and dainty; striped and flaked with salmon and orange on pure white ground. Pkt. 10 cts.

Apple Blossom Spencer. Unusually large, even for the Spencers; standards, bright rose, wings primrose; fluffy and wavy. Pkt. 10 cts.

Dainty Spencer. Clear white, shaded buff-pink, and brightly edged with soft pink. Pkt. 10 cts.

Princess Alice Spencer. A lovely velvety type; flowers extra-large and wavy, three or four to the stem. Strong, vigorous grower and bloomer; runs very true to type. Pkt. 10 cts.

Mrs. Joe Chamberlin Spencer. Flowers large and broad, beautifully waved; flaked and splashed with bright rose on a white ground; three to four flowers on a stem; very striking. Pkt. 10 cts.

Princess Katherine Spencer. A splendid new white of very large size. Flowers beautifully fluted; buds and new flowers tinted with pink; vines quite hardy. Pkt. 10 cts.

Helen Lewis Spencer. Large; crimson-orange, wings orange-rose. Pkt. 10 cts.

SPECIAL OFFER.—One pkt. each of the above 7 superb varieties, 50 cts.

Young's Ideal Collection of New Sweet Peas

Primrose Spencer. A distinct primrose or cream-yellow all over the flower. Pkt. 10 cts.

True Countess Spencer. Immense flowers gracefully formed; colors ranging from light to deep pink, delightfully shaded with orange and white. We have developed our strain of this variety very carefully and find that our seed is more or less liable to change in flowering; however, all the colors are most delightful and you certainly cannot go wrong in purchasing our seed. Pkt. 10 cts.

White Spencer. Pure white flowers, large and beautifully formed. Pkt. 10 cts.

Paradise. Bright, clear pink flowers, sometimes 2 inches across; petals waved at margins. Pkt. 10 cts.

Princess Victoria. Flowers light primrose, wings tinted rosy. Pkt. 10c.



MIXED SWEET PEAS



SPENCER SWEET PEAS

Sutton's Queen. Pure pink over a creamy ground, making a very rich combination; the petals are beautifully frilled, sometimes measuring 2 inches across. Pkt. 10c.

SPECIAL OFFER.—One pkt. each of the above 6 varieties, 40 cts.

MIXED SPENCER SWEET PEAS

A choice collection, including any of the above. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$3.

Young's Popular Collection of Sweet Peas

Dorothy Eckford. Flowers pure white; very large, formed like a lovely shell; a vigorous grower.

King Edward. The best dark red yet introduced; flowers very large and of an intense crimson shade.

Othello. Large, grand, hooded flower, of handsome maroon.

Admiration. Large flower of perfect form; delicate rosy lavender.

Blanche Ferry. The popular and reliable pink and white.

Blanche Burpee. Flowers large, pure white, exceptionally well formed.

America. Striped blood-red.

Hon. F. Boverie. Deep pink, shading lighter at edges.

Lottie Eckford. White, edged lavender-blue.

Lady Nina Balfour. Large, wide-open flowers of delicate lavender.

Price of any of the above varieties, pkt. 10c., oz. 20c., ¼lb. 60c., lb. \$2.

SPECIAL OFFER.—One pkt. each of the above 10 distinct colors, 50 cts.

Young's Superb Collection of Sweet Peas

Mrs. Joseph Chamberlin. The standard, reliable pink.

Katherine Tracy. Soft pink standards, with lighter pink wings.

Gray Friar. Deep lavender, on white ground.

Stanley. Large glossy maroon flowers.

Countess of Cadogan. Purple standards, clear blue wings.

Agnes Johnson. Light pink-buff and creamy blue.

Sadie Burpee. Very large, pure white, showy flowers.

Firefly. Large, bright scarlet flowers.

Lady Grisel Hamilton. Light lavender flowers, daintily hooded.

Aurora. Extra-large flowers, striped orange and white.

Price of any of the above varieties of Sweet Peas, pkt. 10c., oz. 20c.

SPECIAL OFFER.—One pkt. each of the above 10 superb varieties of Sweet Peas, 50 cts.



MAMMOTH VERBENAS

YOUNG'S POPULAR MIXTURE OF SWEET PEAS

Well proportioned as to colors; made up by carefully arranged formulas from lists which we have been using for many years. This mixture includes many of the best new varieties. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

YOUNG'S SUPERB MIXTURE OF SWEET PEAS

This mixture contains fifty of the best sorts, carefully balanced for color, etc., with all of the undesirable ones left out. Many of these are of the long-stemmed varieties which carry three or four fine flowers each. Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

YOUNG'S CHOICE MIXTURE OF SWEET PEAS

An excellent mixture of pleasing standard varieties in many colors; has been giving satisfaction for years. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Thunbergia • Black-Eyed Susan

Alata. A climbing plant of very rapid growth; fine for winter boxes, hanging baskets, vases, etc. Flowers yellow with black center; in bloom from July until October. Pkt. 5 cts.

Mammoth Verbena

Beautiful flowering plants of distinct character. The flowers may perhaps be described best by saying they resemble petunias in texture and coloring, and *Phlox Drummondii* in formation and grouping of flowers; but even this does not do them justice. The Verbenas are increasing in popularity year by year, and should be in every garden, as they are so wonderfully easy to grow. You can start them in the house in boxes or pots, or can sow seed right out in the garden in May. We offer colors as follows:

White	Pink
Purple	Mixed
Scarlet	Lemon
Striped	

Price of any of the above colors of Verbenas, pkt. 10 cts.

Fine Mixed Verbenas. Pkt. 5 cts.

Violet

These are the sweet-scented flowers seen in the florists' shops in early spring. They can be easily grown at home from seed, preferring a cool situation and a rather moist soil.

Odorata. Single. Pkt. 10 cts.

Czar. The largest-flowering, single, deep blue. Pkt. 10 cts.

Vinca • Madagascar Periwinkle

Very ornamental plants, valuable for house or bedding, having glossy, green leaves and round pink and white flowers.

Alba pura. White.

Rosea. Bright rose.

Rosea alba. Creamy white, flushed with rose.

Price of any of the above varieties of Vinca, pkt. 5 cts.

Mixed. A choice selection. Pkt. 5 cts.

Wallflower

Quaint, delightfully fragrant, roseate flowers not unlike the hollyhocks, blooming in imposing spikes like snapdragons, and producing flowers of many pleasing colors. The plants are really half-hardy perennials, and with a little protection will live over winter, blossoming freely early the next spring.

Single Mixed. Pkt. 5 cts.

Double Mixed Pkt. 10 cts.

Mammoth Double Zinnia

Round, heavily petaled and solidly double flowers of the aster type, each petal strongly curved back from the center to the outside, giving them a peculiar and attractive "hooded" or "capped" effect. The plants are very strong growers and succeed well even in comparatively poor soils. The flowers last for a long time and the plants continue blooming profusely until frost.

Crimson
Yellow

Scarlet
White

Orange
Mixed

Price of any of the above Zinnias, pkt. 5 cts.

SPECIAL OFFER.—One pkt. each of the above 5 distinct colors, 20 cts.

Mixed Flower Seed for Wild Gardens

In every flower garden there should be at least a corner set apart for such plants as can be grown without much attention. However much you may pride yourself upon the well-kept beds of annuals and perennials, your garden still lacks a certain "atmosphere" unless these other flowers are there, too. This collection has been put up to supply that need and is a splendid mixture of free-blooming, old-fashioned popular flowers which will provide an almost steady succession of bloom from spring until late frost, and which will come up and bloom year after year, without special attention on your part, beyond a little cultivating and thinning where the plants are crowded. Pkt. 5 cts., oz. 10 cts.



MIXED DOUBLE ZINNIAS

Rose Department



ALWAYS responding graciously with the most beautiful, delightful and fragrant blooms, if given the least care and attention, the Rose stands today preëminent as the people's favorite flower. Cut roses used on the table, placed throughout the home, or brightening the dull moments of some sickroom, are fulfilling every requirement.

We have made a life-time study of growing plants, especially Roses; in fact, we were raised amongst them since we were boys. Just as the country roads of those days have changed into the paved boulevards of today, so it has been with the Rose. We have seen them improve, *improve* and **improve**, until today they are almost perfect.

Still we have gone farther than that, realizing the demands for Roses that would give satisfaction in the hands of the amateur, we set about to find the right method of growing, and we found it. Our sales of pot-grown Roses convince us that our methods must be right. Patrons have shown their faith in our Roses by their increased and repeated orders year after year. If you have bought Roses of us before, you have realized the value we give, but if you are a new customer, we are glad that you have decided to try us, and we want to tell you how these Roses are grown.

For instance, take the smaller size. In the early summer of 1913, we took the cuttings from only strong and healthy plants; these were then placed in hotbeds, which were shaded from the rays of the sun. They were rooted in sand, which gave them those life-giving, fibrous roots. Just as a child must be given the best of care when it is young, so it was with these Roses. If we wished big, healthy plants we had to watch over the slips. From the hotbeds they went through various stages of potting, and now they are ready for you. Our Roses are the best for the least money. Compare them with others, and you will agree with us.

WINTER PROTECTION. Roses in the colder climates should be protected in the winter. Cut out all tender growth and strip off most of the leaves, then bend the bush over, and cover to a depth of 3 or 4 inches with loose turf, and over this place a covering of boughs. Do not cover too soon—wait until the plants are well matured, and severe weather has begun; light freezing will not hurt Roses. Uncover when the frost is leaving the ground, and spring is fairly opening. Prune out all injured wood.

Insects. The most important is the Rose slug, a green, soft, slug-like animal about a quarter of an inch long. It is most troublesome in June, feeding upon the surface of the leaf. Use white hellebore powder mixed in water and applied with a good spray pump, or dust with Young's Insect Powder. This same powder will destroy aphids or green fly.

Mildew. This is caused by a sudden change in the weather. Dust plants with sulphur as soon as it appears.

Fertilizers. Fine, decomposed cow-manure is the best for general purposes. Ground bone comes next in value. Roses are rank feeders, and amply repay the food and moisture given them.

Novelty Collection of Climbers

A collection of choice Climbers of recent introduction, which have been tried and found satisfactory. These are the ones you have wanted for a long time. A set planted in your garden or about the house will prove a pleasing addition to your home and beautify it wonderfully.

WHITE DOROTHY PERKINS. Retaining all the vigorous and rampant growth of the pink Dorothy, and proving a more prolific bloomer, it fills a long-felt want. It has large clusters of pure white flowers and pretty, dark green foliage. It will rapidly make a name for itself.

CLIMBING AMERICAN BEAUTY. Picture a Rose with the size, the fragrance, the freedom of bloom and the hardiness of the American Beauty, combined with the climbing habits of a Rambler, and you have this new Rose. Color is a rich "Beauty"-red.

CLIMBING GRUSS AN TEPLITZ. A mass of bloom from spring until frost. Deep, rich red blossoms, similar to the bush Gruss an Teplitz. This is the best red Climber on the market.

SHOWER OF GOLD. A true, hardy yellow Rambler. You have wanted this Rose for a long time. A deep, golden yellow Rose, with a shading of orange in the center. It has disease-resisting foliage.

Prices, 25 cts. each; the set of 4 for 75 cts., postpaid. One size only



WHITE DOROTHY PERKINS ROSE

The beautiful box received yesterday in good condition. My wife was just delighted with the plants. The Salvia plants are beautiful, so strong and healthy, the Moonflower was fine, hope we will be able to raise it. Hoping you will have a successful year and thanking you for past favors. Respectfully yours—J. F. M., Jackson, Mo., May 13, 1913.

The Forest Park Collection

This set of Roses is as famed nationally as the beautiful park of this city from which it takes its name. Furthermore, it is gaining in popularity each season. Last year it led all our other sets in the number sold, and we feel sure that its sales this year will surpass all others. The reason for this popularity is apparent, as, dollar-for-dollar value, we do not think that this offer can be surpassed. One of our competitors claims that he gives 3-inch pot plants for 25 cents, while others charge 30 to 35 cents for the same size. He never investigated the value we give. Our first-size Roses in most cases are from 3-inch pots and on most varieties the price is 15 cents. Just think—10 cents under his price—do you wonder why the sale of Young's Roses reaches such proportions?

From the smallest to the largest sizes offered in this set, the Roses are examples of supremacy in color and in quality. Now just take your pencil and include "The Forest Park Collection" in your order. You will never regret it, and the beautiful bed of these Roses in front of your home will be a testimonial to your good taste and judgment in selecting flowers.

When ordering, please order as the "Forest Park Collection." We will then know what you want, and it won't be necessary to mention each individual variety.

AMERICAN BEAUTY. The leader of them all, whose nearest competitor is the new Rose, Mrs. Russell (see page 36). American Beauties thrive best in a sunny position. The flowers are borne on thick canes, and are full and double. While not really an everblooming Rose, its blooming qualities are such that we are including it in this set. The foliage is a dark green; the blooms a reddish pink.

CLOTHILDE SOUPERT. This Rose has a dwarf habit which makes it an admirable Rose for mass planting or in borders. It is constantly in bloom, and thrives well everywhere. The flowers are extremely double, white on the outer edge deepening to a true pink in the center.

ETOILE DE FRANCE. A free, deep red bloomer, that always gives entire satisfaction. It is perfectly hardy, and deserves a place in every garden. The flowers are double and are very fine for bouquets, etc. This fragrant Rose will prove its worth if planted in your garden.

GRUSS AN TEPLITZ. Who hasn't heard of this grand Rose? Very few, we should say, as it is planted everywhere—a genuine favorite. Being the most prolific bloomer of any Rose under cultivation, it has made a home for itself in every garden in which it has been planted. It withstands the heat of the South and the cold of the North with equal fortitude. It's the one red Rose you can't go wrong on. Plant it freely and watch the effect.

HERMOSA. One of the oldest Roses in cultivation, and a mighty good one at that.

It is a Rose that never disappoints you when you wish to gather a bouquet of blooms. They are always there awaiting you. Even the smallest plants bloom with astonishing freedom, with brilliant pink flowers.

KAISERIN AUGUSTA VICTORIA. The "White Kaiserin." While not as free a bloomer as some of the other whites, it more than repays with the blooms it does bear, by their size and splendid qualities. Excellent for cutting. A full-double, creamy white, noted for its fragrance, hardiness and freedom from disease.

WHITE KILLARNEY. A duplicate of the pink variety of the same name, except in color, which is a pure snow-white. A free and constant bloomer, perfectly hardy, and subject to very few Rose diseases. We can recommend this white Rose to prove a success in your garden. The illustration gives but a faint idea of the true merits of this splendid Rose.

MME. ABEL CHATENAY. Here is a pink Rose that is very little known, although on the market a long time. Why it is not popular, it is hard to say, as it is the best hardy, double, pink, everblooming Rose in any list. The color is a reddish pink, with foliage of dark green, impervious to disease. This is a first-class bedder. Try it.

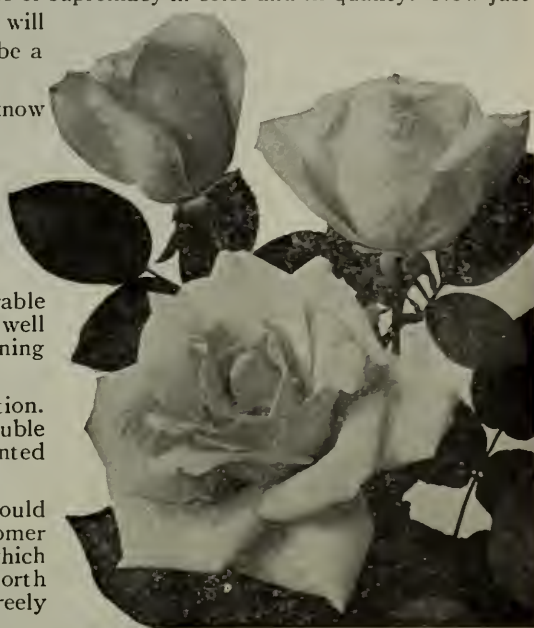
MRS. A. R. WADDELL. A new salmon-pink Rose of recent introduction. The color is truly remarkable. No artist's brush could fully depict the wonderful shadings of orange, pink and canary-yellow which blend together as only nature itself can blend. It holds its own with the other bedding Roses, and blooms constantly.

PERLE DES JARDINS. As the name signifies, it is the "Pearl of the Garden." Large, full-cupped, yellow blooms in the early summer, it reaches its best as fall draws nigh, when the leaves take on a reddish tinge and the flowers reach the size of saucers. It is a pure yellow Rose, and is hardy with protection.

W. R. SMITH. The hardest monthly-blooming Rose in existence. The big canes sometimes reach $\frac{3}{4}$ inch in diameter on the two-year-old bushes, and throw out long, pointed buds, which when open reveal a beautiful white Rose suffused with blush-pink. They last for days on the bushes. We have never seen this Rose affected by any of the many Rose diseases, and it withstands both extreme heat and cold.

WHITE MAMAN COCHET. Youth generally supplants old age, but not so with this grand old Rose. Try as they may, the newer varieties of double white Roses have yet to supplant this Rose as the best white bedder. The white sometimes shows a trace of pink. Blooming from spring until frost, it will give you Roses every day in summer; and when you know the plant, you will understand why it has taken a place in the rose-grower's affections.

Prices of the above Roses, 15 cts. each, the set of 12 for \$1.50, postpaid; second size, 25 cts. each, the set of 12 for \$2.50; third size, 50 cts. each, the set of 12 for \$5. The second and third sizes must go by express, at purchaser's expense.



WHITE KILLARNEY ROSES



MRS. A. R. WADDELL ROSE

Seven New Roses of Merit

Every one of these new varieties has been tested and found to be up to the standard required by us. The descriptions given in the text can be relied upon as describing the merits and qualities of these Roses. All are of the monthly everblooming type, and will repay manifold the outlay which will bring them to you.

FIREFLAME. We have great faith in this Rose, although it is not quite up to the many good things said in its favor. The blooms are slightly single. The most remarkable feature of this new Rose is the extremely beautiful color in the full-opened flower. A pretty saffron-yellow on the outer edge of the petals, it changes to a deep orange near the center. It is somewhat dwarf in growth, which tends to make it a splendid Rose for bordering your Rose-bed. A distinct novelty with a great future.

SUNBURST. You have always wanted a yellow Rose that would stand up with the Roses like pink Killarney and the American Beauty; well, Sunburst is it. This magnificent yellow Rose stands head and shoulders above any other Rose of its color, exceeding even the well-known Perle des Jardins. It is extraordinarily vigorous and healthy, and belongs to the class of big Roses. The blooms are borne on very long stems, which make them excellent for cutting.

BULGARIA. A magnificent Rose which comes well recommended. The buds are beautiful and when opened are full and of immense size; the outer petals are a flesh-pink, with the inner petals somewhat lighter. It has large, bright green foliage and is very fragrant. You will enjoy this new Rose and we feel confident it will prove more than satisfactory.

MRS. RUSSELL. No other Rose, without exception, unless it be the American Beauty, can equal this new pink Rose. It



NEW ROSE, LADY HILLINGDON

has taken the country by storm, and has made a name for itself wherever shown. Capturing prize after prize at the various flower shows throughout the country, it has proved itself a winner. With immense blooms of dark pink, the outer petals have a slight roll to them as the bloom opens. They last for days and days and are produced on strong, upright stems. A beautiful bedding Rose, as it has a very bushy growth.

MRS. GEORGE SHAW-YER. For freedom of bloom this Rose is superior. Originated in England five years ago, but only lately put on the market, it has proven itself a standard bedder from the start. It throws up strong shoots in quick succession, and each one is tipped with a bud. The color is a peach-pink and will not fade quickly.

LADY HILLINGDON. While not quite what could be called a new Rose, it is nevertheless a Rose of very recent introduction and, after a test, we have decided to offer it to our customers. A quick grower and a profuse bloomer. The buds are very slender and graceful, a deep shade of yellow which does not fade easily. Everyone should have this Rose, as it is so easy to grow and has proved hardy with very little protection.

MELODY. One of the new saffron-colored Roses. It has foliage similar to Mrs. Aaron Ward, only not quite so glossy. It blooms continuously but somewhat more freely toward the end of summer. The buds are long-pointed. It compares favorably with the Pink Killarney in shape of bloom.

We have these Roses only in one size. Price, 25 cts. each, the set of seven for \$1.35, postpaid

THREE NEW ONES FROM LAST YEAR

Chateau des Clos Vouget

Have you ever seen a very deep red piece of velvet? That comes as near a comparison as one can make with the blooms of this splendid Rose. Some portions of the petals are almost black, they are so dark. We have yet to hear a word of complaint against this Rose, and we know our confidence in it has not been misplaced. The foliage is a very dark green and remarkably free from disease. It is of a low, bushy growth. It is bound to prove in time as great a Rose as Gruss an Teplitz is today.

Entente Cordiale

A beautiful, satiny white, with sulphur-yellow center. Doesn't that sound pretty? Well, it's the truth, and it is a mighty pretty Rose in our judgment. That is not the only good feature it has, as it is delightfully fragrant and a dandy bedder. Do you ask for more?

Mrs. Aaron Ward

A new Rose that came into the market unheralded and made a name for itself in a night. Those beautiful, deep golden shading to orange flowers have made the entire country speak nothing but praise in its favor. Not only proving itself an excellent flowering Rose, it has stood the test as a grand bedding variety. Don't you think it is worthy of a trial?

Price of the above three Roses: 15 cts. each, three for 40 cts., postpaid; second size, 25 cts. each, the three for 70 cts.; third size, 50 cts. each, the set of three for \$1.25. The last two sizes must go by express, purchaser paying charges

TWO CHOICE HYBRID PERPETUALS

FRAU KARL DRUSCHKI. A companion Rose to the American Beauty, being known as the "White American Beauty." The plant is vigorous and hardy, and produces immense, double, white flowers on long stems. It is well worth planting.

GENERAL JACQUEMINOT. Familiarly known as the "Jack Rose." Excellent for planting out, having shapely buds and handsome blooms of bright, shining crimson, rich, brilliant, velvety and fragrant.

We have these Roses in the first size only. Price, 15 cts. each, the two for 25 cts., postpaid

YOUNG'S IDEAL SET

CARDINAL. A bright red Rose, fully double and of good substance. A desirable bedding Rose, being of a low, bushy growth. Foliage a Nile-green and very dense. Perfectly hardy and a success wherever planted.

KATE MOULTON. One of the best pink bedding Roses. Really too good to let go at the low price we offer it, but this set is a real bargain. This Rose is somewhat similar to My Maryland in color, but grows slightly taller.

KAISERIN AUGUSTA VICTORIA. Too well known to need a lengthy description. Creamy white, double and a free bloomer; very hardy, needing very little protection in the winter.

PINK MAMAN COCHET. A very beautiful shade of shell-pink, a least bit lighter on the outer edge of the petal; extremely hardy and a free bloomer.

SOUVENIR DU PRESIDENT CARNOT. Blush-pink changing to pure white describes the color of this splendid Rose; for planting out it is unsurpassed.

SUNRISE. A remarkable Rose creation. The color is exquisite, being a bright orange which turns to a lighter shade as the bloom opens. The under side of the petal is red.

We sell the above only as a collection, not separate. Price, first size, the set for 50 cts., postpaid; second size, the set for \$1; third size, the set for \$2. The larger sizes must go by express, purchaser paying expense.



FRAU KARL DRUSCHKI ROSES



HELEN GOULD ROSE

last two sizes must go by express, purchaser paying charges.

WABELTA SET OF CLIMBERS

FLOWER OF FAIRFIELD. The new Crimson Rambler, which it has displaced. Perfectly hardy; of rapid growth and in some sections has proven to be everblooming.

TAUSENDSCHON. As illustrated. Large clusters of various shades of pink flowers. A mass of bloom during the blooming season; quick grower and produces fine, thick foliage.

YELLOW RAMBLER. Grows at maturity to the height of 20 feet. Produces beautiful clusters of double yellow flowers, the size of Dorothy Perkins. A real novelty. Hardy.

PINK DOROTHY PERKINS. The old favorite. Never disappointing no matter where planted. Enormous clusters of dainty pink blooms. You will surely agree that it is the best climber.

WICHURAIANA. Really not a climbing Rose, being more adapted for cemetery planting. Has green glossy foliage, making it excellent for terraces, graves, etc. The flowers are white and in clusters.

Price of the above, 15 cts. each, the set for 60 cts., postpaid; second size, 25 cts. each, the set for \$1; third size 50 cts. each, the set for \$2. Last two sizes must go by express, purchaser paying charges.

YOUNG & SONS' SPECIAL

PINK KILLARNEY. The Irish Rose with a national reputation. Pretty pink, with long-pointed buds of immense size. The plant is a strong, upright grower, with clean, bronzy green foliage.

W. R. SMITH. Vigorous grower; flowers of fine size; creamy white, shading to pink. Very hardy and a desirable variety for general planting.

HELEN GOULD. Magnificent, double, red flowers; buds long and pointed. The plant is a rapid grower, and is one of America's leading bedding Roses. (See illustration.)

ETOILE DE LYON. Light canary-yellow, resembling the Marechal Niel. Hardy with protection; blooms freely and is a popular sort with Rose-growers.

The above are sold only as a collection, not separate. Price of the set, according to size, 40 cts., 70 cts. and \$1.25. The



TAUSENDSCHON ROSES

Our Big Four Collections

The Big Four Collections this year contain sixteen Roses of exceptional merit. They have been selected with extreme care, and are the best in their respective classes. We have made a new departure this year in selecting varieties for these sets. Formerly they contained four everblooming Roses to the set, but this year we have incorporated a new idea, and have used a good climbing Rose in conjunction with three excellent everbloomers. This gives you a chance to plant the three everbloomers in a group, and to use the climber to cover a fence, a porch or a trellis. We are sure this idea is going to be appreciated.

Note particularly the big reduction obtained by purchasing the entire collection of sixteen Roses—four climbers and twelve everbloomers. They are well worth buying, we can assure you. Yes, they are all "Young's Pot-grown" stock, grown by the Right Method.

Big Four Collection No. 1

GRUSS AN TEPLITZ. A marvelous blooming Rose of the deepest crimson. The petals look like pieces of the finest velvet. As a bedding Rose it cannot be equaled. Very few Roses compare with Gruss an Teplitz, and you will find upon investigation that it is the finest bedding Rose in existence. Ask your friends, they have surely heard of this remarkable red Rose.

PERLE DES JARDINS. A most beautiful, pure yellow Rose. An exceptionally profuse bloomer and, without a doubt, ranks high among the yellow Roses. The leaves are attractive in themselves, being a brilliant, glossy green that takes on a reddish hue as autumn arrives. We have some excellent stock of this grand Rose.

WHITE MAMAN COCHET. A companion to the Pink Cochet. One of the best white Roses for bedding purposes grown. With a foliage that seems almost immune to all Rose diseases, it has earned a place in the gardens of those who like Roses that need very little attention. The plants bloom as freely as Pink Crochet; the flowers are almost as white as snow, now and then tinged with delicate blush. Try this one—it is a winner.

PINK DOROTHY PERKINS. The best pink climber of the present day. It throws out trusses of large pink blossoms borne in immense clusters. Ideal for covering a trellis or porch, as it makes a quick and rampant growth, and will soon fill up the space desired. Perfectly hardy in all climates and going through with very little protection, one can't help but call it the best climber that is grown.

Prices: First size, 15 cts. each, the set of four for 50 cts., postpaid; second size, 25 cts. each, the set of four for 75 cts.; third size, 50 cts. each, the set for \$1.75. The second and third sizes must go by express, purchaser paying charges.



AN EFFECTIVE CLIMBER

Big Four Collection No. 2

MAD. CAROLINE TESTOUT. Since 1890, when this Rose was first introduced, it has proved to be the best blooming pink Rose for bedding purposes. We have handled this Rose since its introduction, and can candidly say that we have never seen its equal as an outdoor bloomer. A picture true to color is shown on the front cover

ETOILE DE LYON. A Rose of low, bushy growth, and one of the hardiest yellow Roses, resisting, with equal success, extremes of heat or cold. The plants make a strong, healthy growth and bear flowers of excellent substance with astonishing freedom. Somewhat similar to the old Marechal Niel.

SOUVENIR DU PRESIDENT CARNOT. Large, full-double, fine shape, with heavy, thick, shell-like petals; buds very long and pointed. The color is a delicate rose-pink, shading through blush-pink to white. A very good bedding Rose for growing in the open ground.

FLOWER OF FAIRFIELD. The successor to Crimson Rambler, which it resembles in color. It is far superior to Crimson Rambler being, in some portions of the country, everblooming. Without a doubt it is the freest-blooming red Rambler in cultivation. A rapid grower, attaining great height and at the same time having a dense growth. Flowers are produced in large clusters.

Prices: First size, 15 cts. each, the set of four for 50 cts., postpaid; second size 25 cts., the set of four for 75 cts.; third size, 50 cts. each, the set of four for \$1.75. The second and third sizes must go by express, purchaser paying charges.

Big Four Collection No. 3

PINK MAMAN COCHET. One of the acknowledged leaders of pink garden Roses. You really have to see the buds to appreciate their true worth. To say they are beautiful would be putting it mildly, as they are more than that. When open they often attain the size of 3½ inches in diameter, and the buds measure 2¼ inches from base to tip. The Pink Cochet seems to be hardy in any portion of the United States, as we have yet to hear a complaint about this Rose. It is a pretty pearl pink.



ETOILE DE FRANCE ROSES

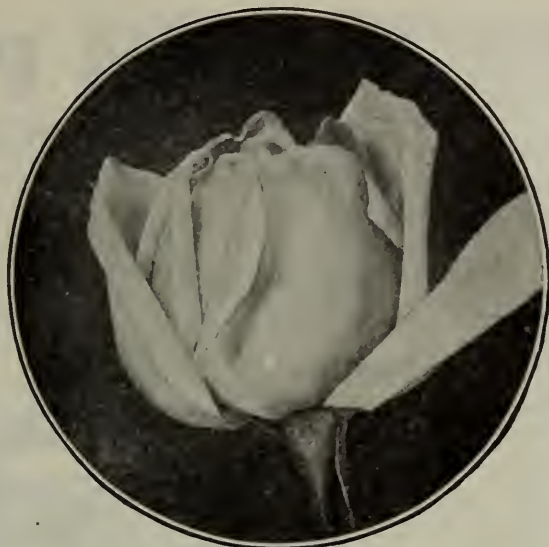
ROSES, BIG FOUR COLLECTION No. 3, continued

ETOILE DE FRANCE. Velvety garnet-red cup, center vivid cerise. Flowers are very large and double. Its particularly fine fragrance and sturdy growth recommend it as a garden Rose. The plants are almost constantly in bloom, and the foliage is comparatively free from insects.

KAISERIN AUGUSTA VICTORIA. The creamy white Rose which has proved beyond a doubt that it has come to stay. Your garden is simply incomplete without it and, with a little care and attention, it will amply repay with blooms of large size and substance. Hardy with little protection and withstands the heat in summer.

YELLOW RAMBLER. A rapid-climbing Rose which attains the height of 20 feet at maturity. It is a sport from the Dorothy Perkins, having the same splendid vigor and form as the mother Rose. The flowers are borne on large clusters of lemon-colored blossoms. This Rose is surely worthy of your consideration.

Prices: First size, 15 cts. each, the set of four for 50 cts., postpaid; second size, 25 cts. each, the set of four for 75 cts.; third size, 50 cts. each, the set of four for \$1.75. The second and third sizes must go by express, purchaser paying charges.

**ETOILE DE LYON****Big Four Collection No. 4**

HELEN GOULD. This Rose has the indorsement of all Rose-growers. On account of its freedom of habit, its hardiness, its superb color and its fine, double flowers, it has proven its value as an outdoor variety. The flowers are a soft carmine, with velvety petals similar to the American Beauty.

WHITE KILLARNEY. Long-pointed buds, which open into beautiful snow-white blooms. It ranks with the best as a bloomer, and is undoubtedly a good bedding variety. More complete description on page 35.

MRS. A. R. WADDELL. A better idea of the shape and the size of this Rose may be obtained by turning to page 35 and seeing the illustration. It has a remarkable color, which is individual to itself. A unique and original Rose, pretty orange. The foliage is similar to Perle des Jardins.

TAUSENDSCHON. The "Thousand Beauties" Rose. A beautiful climber, with flowers measuring 3 inches across. The pretty feature of this Rose is that the flowers are not of one color, but go through the various shades of carmine and pink, and are borne in great profusion during its blooming season; hardy throughout the United States.

Prices: First size, 15 cts. each, the set of four for 50 cts., postpaid; second size, 25 cts. each, the set of four for 75 cts.; third size, 50 cts. each, the set of four for \$1.75. The second and third sizes must go by express, purchaser paying charges.

Special! Special!!

For those who wish to purchase the entire collection of sixteen Roses embraced in the Big Four Collections, Nos. 1, 2, 3 and 4, we make the low-price tempting offer of \$1.50 for the first size; \$2.50 for the second size; \$4.75 for the third size. The last two sizes must go by express, and we would recommend that the first size be sent the same way. Just think—sixteen "Right Method" Roses at a price within the reach of all.

**BABY RAMBLER ROSE****Three Dwarf Ramblers, 25 cts.**

These are of the well-known Baby Rambler family. They grow to the height of about 2 feet, and are constantly in bloom. Excellent for borders or hedges as they form a dense growth. We have them in Pink, Red and White. We have only the one size, which we sell for 15 cts. each, the set of three for 25 cts., postpaid.

Those Pretty Rugosa Roses

BLANCHE DOUBLE DE COUBERT. A fine double variety. Sweet, pure white flowers, borne in clusters of five to ten each. A vigorous and rampant grower. Flowers measure nearly 5 inches across.

RUGOSA ALBA. Crowded with clusters of single, pure white flowers; foliage dark green and glossy.

RUGOSA RUBRA. Same as Alba, except the flowers are a pretty red.

Your choice of the above Rugosa Roses, two-year-old plants, 35 cts. each, the set of three for \$1, by express only, at purchaser's expense.

English Sweetbrier

This is the true English Sweetbrier, and is highly valued for the delightful fragrance of its flowers and the young growth. It is entirely hardy, and once planted takes care of itself. Makes a fine hedge, if planted 2 feet apart. Pink flowers. Two-year-old bushes, 35 cts. each, by express collect.

Harrison's Yellow Rose

Bright, clear golden yellow; very hardy. Grows 3 to 4 feet high, and is admirably adapted for mass planting or to use in connection with shrubs. It looks beautiful in the spring, with its golden yellow flowers. Two-year-old bushes, 35 cts. each, by express collect.

Young's Plant Department

INDOOR AND BEDDING • VINES • DECORATIVE

A careful study of the actual demand for plants of the above three classes has caused us to select, after considerable deliberation, those mentioned on the following pages. They cover a wide range of color and, without the least doubt, are the best in their respective classes. Our stock is composed of nothing but the most healthy and thrifty plants procurable, and must not be compared with the weak slips sent out by some of the other firms.

A few plants indoors, or a garden planted effectively in the yard, and a climbing vine or two planted near the porch or clinging to the wall of the house, adds untold beauty and a touch of refinement to the home.

Abutilon

Emperor Alexander. One of the finest crimson Abutilons; free bloomer.

Eclipse. Gold-spotted leaves, shaped like the maple, drooping slightly.

Boule de Neige. A very good white; free-bloomer.

Savitzii. Silver-mottled leaves; a dwarf Japanese variety, growing very compact.

10c. each, the four for 35c., postpaid

Ageratum

A dainty little plant, suitable for borders of flower-beds. Flowers a delightful shade of blue; blooms freely. 10 cts. each, \$1 per doz.

Alternantheras

Dainty, fine-leaved plants, which can be trimmed to keep them low and compact. Excellent for bordering or for use in a design of letters. Green and red varieties. 10 cts. each, 75 cts. per doz., \$4 per 100.



ABUTILON SAVITZII

Acalypha magnifica

With leaves of coppery bronze, interlaid with dark gold shades, it is a plant of remarkable beauty. The flowers are long, fuzzy, rope-like pendants, sometimes 12 to 15 inches long. 15 cts. each, \$1.50 per doz.

Sweet Alyssum

That pretty little white flower, so much in demand for bordering flower-beds; very fragrant and blooms profusely. It is well worth a trial. 10 cts. each, 75 cts. per doz.

Two New Dwarf Begonias

An improvement on the well-known Vernon Begonias. Try them.

Christmas Fire. A brilliant red; free-bloomer and of dwarf growth. Excellent indoor plant.

Christmas Pink. Leaves a glossy green; very compact. Pretty pink blooms and lots of them.

25 cts. each

YOUNG'S FLOWERING BEGONIAS

Argentea-guttata. The leaves are oblong, purplish bronze, with silvery markings; flowers borne on white panicles.

Metallica. A low, bushy variety. Leaves have a fuzzy growth on the upper side and the stems are the same. A real novelty. The flowers are a beautiful coral-white.

President Carnot. Long, pointed leaves, light brown on top with the under side a light shade of red. A strong upright grower; flowers are a coral-pink, in large panicles.

Otto Hacker. In a class by itself. Leaves are immense, some-

times measuring 10 inches across. The flowers are coral-red and they bloom with the utmost profusion. This is a winner.

Rubra. Dark green, narrow, pointed leaves, slightly inclined to trail. Pure red flowers in large, drooping clusters. One of the best indoor flowering Begonias.

Superba. A pretty pink Vernon Begonia, almost constantly in bloom. Sometimes this pretty, dwarf-growing plant is literally covered with blooms. Fine for outdoor planting in summer.

15 cts. each, the 6 for 75 cts., postpaid; second size, 25 cts. each, the 6 for \$1.25 by express, purchaser paying charges

FANCY-LEAF BEGONIAS

Countess Erdody. An old favorite. Leaves of silvery shades, with hairy growth on upper side. The leaf is curled toward the center. (See illustration.)

Lesoudi. A speckled leaf, with a darker, well-defined border; very rich in colors.

Louis Closson. A beautiful, deep bronze, with a silver band on outer edge of leaf. Very beautiful under side of red.

Perle de Paris. Gracefully formed, silvery leaves, the edges tinged slightly with bronze. Very strong grower.

Grandi. Bright, steely band around each leaf, marked and striped with light green center; green, white and maroon.

Star. Leaves somewhat similar to the Ricinus leaf. Color a dark grayish brown; very attractive.

20 cts. each, the 6 for \$1, postpaid

My plants arrived in fine condition. Am delighted with so many nice plants for so little money. Many thanks. Respectfully—Mrs. W. A. T., Lamonte, Mo.



BEGONIA RUBRA



COUNTESS ERDODY BEGONIA

Young's Collection of Choice Callas

Lily-of-the-Nile. The old favorite, which still retains its popularity. Has stately and immense white blooms. 35 cts. each.

Spotted Calla. Foliage spotted with large, white blotches, making it equally attractive whether in bloom or not. Blooms pure white. 25 cts. each.

Black Calla. Flowers are black, immense in size. A very odd Calla and has proved its worth for house culture. Foliage is a deep green, handsomely marked. 25 cts. each.

Mrs. Roosevelt. A true golden yellow Calla, whose flowers are borne on long, erect stems. Foliage is somewhat similar to the Spotted Calla, being blotched with white spots. More distinct and showy than the fancy-leaved caladium for many occasions. Well worth trying. 35 cts. each.

Godfrey's Dwarf. A new Calla of exceptional merit. Grows to height of about 24 inches, and the foliage is compact and of a very pretty green. Compared with the ordinary Calla, it gives three blooms to one. That's something worth considering, isn't it? 25 cts. each.

SPECIAL OFFER. One each of the above 5 Callas for \$1.25, postpaid.



CALLA LILY

Cigar Plant

Owing to the similarity of the shape of the bloom of this plant to that of a cigar, it has been christened the "Cigar Plant." The flowers are tubular in shape, scarlet in color and are tipped with an ashy purple. 10c. each, \$1 per doz., postpaid.

Young's Everblooming Carnations

Carnations can be grown in the open during the summer, disbudding, then lifted and potted in the fall, and will then produce large quantities of blooms during the winter.

Beacon. A pretty scarlet shade, of strong growth and blooming freely. Proved very popular last year.

Dorothy Gordon. One of the new Carnations. A deep cerise-pink, approaching a brilliant carmine; does not fade easily, and lasts well.

Pink Enchantress. The well-known variety so much in demand. Has a pretty fringed edge and is of immense size. Color very light pink.

White Enchantress. Same form and growth as Pink Enchantress, but the color is a pure white. A profuse bloomer.

White Perfection. One of the largest varieties in cultivation. The flowers are immense, and they are borne in great profusion. Try this, you can't go wrong.

Washington. The massive flowers are loosely formed and furnish a striking appearance. Looks like a miniature chrysanthemum.

15 cts. each, the 6 for 50 cts., postpaid

Young's Novelty Colored Coleus

These are surely the cream of all Coleus. Yellows, maroons, greens and variegated shades vie with each other for leadership. They are beauties. Excellent for bordering. 5 cts. each, 50 cts. per doz.

Crown of Thorns

This is supposed to be a species of the Crown of Thorns mentioned in the Bible.

A decorative plant of rare



CARNATION, WHITE PERFECTION

beauty with little pink blooms. The stems are covered with thorns about an inch long and very strong. 15 cts. each.

Caladiums (Elephant's Ear)

Esculentum. This variety is very effective and suitable for single or specimen plants on the lawn. The leaves are heart-shaped and give a rich, tropical effect to the grounds. They attain an enormous size, often 3 feet long by 20 inches in width. When extra-large leaves are desired, give a liberal supply of water, and fertilize heavily. First-size bulbs, 2 inches in diameter, 15 cts. each. \$1 per doz.; second-size bulbs, 2½ inches in diameter, 25 cts. each, \$2 per doz.; third-size bulbs, 3 inches in diameter, 40 cts. each, \$3.50 per doz.; fourth-size bulbs, 4 to 5 inches in diameter, \$1 each. All postpaid.

Fancy-leaved. These varieties do not grow so strong as the Esculentum, but the leaves are variously spotted and are exceedingly ornamental, thriving well when planted in a shady place outdoors, after danger of frost is over. We have these plants only under mixed colors, unnamed. 20 cts. each, \$2 per doz.



CALADIUM ESCULENTUM

YOUNG'S SELECT LIST OF CHOICE DAHLIAS

Our list, while not the largest, is very comprehensive and embraces the best of each class. We call particular attention to the new single varieties. Dahlia roots must be taken up in the fall, as they are not hardy.

SHOW DAHLIAS

A. D. Livoni. Perfect pink, with quilled petals.
Bon Ton. Rich garnet-red; free and continuous bloomer.
Magnificent. Light yellow; dwarf and profuse.
White Swan. A free-blooming, dwarf white; very double.
Queen of the Yellows. A solid yellow of perfect form.
Psyche. Primrose, tinted pink.
 20 cts. each, the 6 for \$1, postpaid

CACTUS DAHLIAS

Countess of Lonsdale. Rich salmon, tinted apricot.
Floradora. Wine-crimson; splendid flowers on erect stems.
Winsome. A beautifully incurved white of a delicate appearance.
Royal Scarlet. A bright scarlet, clear and intense.
Strahlein Krone. An early-blooming, cardinal-red variety.
 20c. each, the 5 for 85c., postpaid



TYPE OF
NEW
SINGLE
DAHLIA

THREE NEW SINGLE DAHLIAS

St. Louis Fireflame. New. Deep scarlet; large petals of solid color; erect stems.
Gold Standard. Beautiful yellow; excellent grower.
Rebecca Mayhew. A pretty single white; extremely profuse bloomer.
 20 cts. each, the 3 for 50 cts., postpaid.

NEW SEEDLING DAHLIAS

We have secured some very promising new seedlings. They comprise a wide range of color, and deserve a place in every well-planted garden. 10 cts. each, \$1 per doz.

POMPON DAHLIAS

Allie Mourey. Pinkish white, tipped deep pink.
Indian Chief. Deep red; very pretty.
Little Beauty. Shrimp-pink; full, round form; quilled petals.
Little Bessie. Cream-white; quilled petals.
Little Helen. White, suffused with blush.
Snowclad. The best pure white.
 15 cts. each, the 6 for 75 cts., postpaid

DECORATIVE DAHLIAS

Black Beauty. Deep maroon; of very distinct form.
Clifford Bruton. Grand, bright yellow; a beauty.
Henry Patrick. A large-flowering, pure white; good stems.
John Elitch. Deep, rich red; free.
Mrs. Roosevelt. Delicate pink; immense.
Wm. Agnew. Dazzling carmine.
 20 cts. each, the 6 for \$1, postpaid

IMPROVED LARGE-FLOWERING CANNAS

TWO NOVELTIES

King Humbert. Flowers brilliant orange-scarlet, marked with bright red; sometimes 5 inches across. The foliage is a dark bronze and very attractive. 6 feet.
Rosea gigantea. A giant rose-pink Canna, with immense trusses of flowers. The color is unusually pleasing, as it changes to a darker hue. A recent introduction. 4 feet.
 35 cts. each, the 2 for 65 cts., postpaid

BANNER COLLECTION

Brilliant. Pure golden yellow, with each petal streaked with a dash of red. Very striking and distinct. 4 feet.
Chas. Henderson. Flowers borne in large clusters. A standard crimson.
Florence Vaughan. Rich golden yellow flowers, spotted with red. 4 feet.
Louisiana. Large, orchid-flowering type; color a vivid scarlet. Splendid for massing. 6 feet.
Venus. Gay rosy pink, with mottled edge of creamy yellow. Beautiful green foliage. 4 feet.
West Grove. A rich coral-pink, withstanding heat and rain; splendid bloomer; foliage green. 4½ feet.
 25 cts. each, the 6 for \$1.25., postpaid \$2 per doz.



THE TYPE OF CANNA WE GROW

THREE GOOD BRONZE-LEAVED CANNAS

David Harum. Bright vermilion-scarlet; dwarf grower; profuse bloomer. 3½ feet.
Minnehaha. Peachblow-pink, very hard to describe accurately. 3 feet.
President Meyer. Somewhat similar to David Harum; cherry-carmine; foliage sepia-brown.
 25 cts. each, the 3 for 70 cts., postpaid; \$2 per doz.

DWARF CANNAS

Mad. Crozy. A gilt-edge type, being a pretty red with a yellow band around the edge; very dwarf. 2½ feet.
Souvenir de Antoine Crozy. A companion to the above, having the same color, but perhaps blooming a little freer. 3 feet.
Gladiator. Very showy, with large flowers of a brassy yellow, spotted red; certain petals are solid red—a striking contrast. 3 feet.
 25 cts. each, the 3 for 70 cts., postpaid; \$2 per doz.

MIXED SEEDLING CANNAS

We have each spring a lot of good seedlings, and to get you to give them a trial, we offer them in mixed colors at 10 cts. each, \$1 per doz.

NOTE.—We send out Cannas already started, ready to set out in the ground. We do not sell the dormant roots.

Bargain Offer No. 42a. Enough Canna plants (19) to fill a 7-foot bed. This is a regular \$4 value, but to introduce our Cannas we send, postpaid, the 19 plants for \$2.50

Try these Two Offers
 We advise using only one color, or probably two, planted in a bed for best effects. We sell the Canna plants only, not dormant roots.

Bargain Offer No. 42b. Enough Canna plants (37) to fill a 10-foot bed. Regular \$7.50 value, sent by express, your expense, the 37 plants for \$4.50

OUR CHRYSANTHEMUMS SATISFY

ELEVEN EXCELLENT EARLY BLOOMERS

- Chrysolora.** A good early yellow to grow for the county fairs. Similar to Col. D. Appleton in size and color; very early.
- Comoleta.** Clear, bright yellow, with blooms measuring 6 inches across. The foliage is extremely good; a desirable variety.
- Clementine Tousset.** Very early white, of extreme size. Flowers of glistening texture, lasting splendidly when cut. You will admire this one.
- Golden Glow.** One of those big Jap fellows, with lemon-yellow, incurved flowers. We recommend this early yellow for exhibition purposes.
- Ivory.** One of the old standbys. Big, round blooms, 5½ inches in diameter.
- L'Africaine.** It is hard to accurately describe this one, but, sufficient to say, it is the best bronze. The under-side of the petals show a touch of gold.
- Marion Newell.** One of those pretty reflexed varieties. A true pink.
- Mrs. Henry Robinson.** One of the most popular whites. The flowers last for a remarkably long time and are very compact, and of immense size.
- October Frost.** A companion to Golden Glow, blooming about the same time. The flowers are a pure white, sometimes touched with a shade of yellow.
- Pacific Supreme.** A very early pink, of immense size; long, erect stems.
- Unaka.** A sure winner if grown correctly. The lavender-pink color makes it desirable for show purposes, and the large blooms make it popular everywhere.

10 cts. each, the 11 for 90 cts., postpaid



TIMOTHY EATON CHRYSANTHEMUM

ELEVEN LATE-FLOWERING BEAUTIES

- Col. D. Appleton.** A beautiful, deep, golden yellow; enormous size, of fine form and finish.
- Golden Chadwick.** One of those splendid all-round varieties that always satisfy; perfectly built, incurved flowers of deep lemon-yellow.
- Golden Wedding.** Flowers measure 5 inches across at maturity. A straggling Japanese type; pure yellow.
- Jeanne Nonin.** Blooms about Thanksgiving-time; a massive ball of purest white; incurved type and a good keeper.
- Lynwood Hall.** Glistening snow-white; of the largest size, perfectly incurved, of elegant finish, with stiff stems and beautiful foliage.
- McNiel.** A pretty old-rose-pink; dwarf habit, but large, straggling blossoms.
- Miss Alice Byron.** Here is the one that wins the "blues" at the 'mum shows. Try it the next time you have a show in your town. A magnificent white.
- Patty.** This beauty is the shade of the Pink Enchantress carnation. With its dwarf-growing habit and pretty, incurved petals it increases its popularity.
- R. F. Felton.** A variety to exhibit with Miss Alice Byron. A beautiful golden yellow of massive size; long, upright stems and good foliage.
- Timothy Eaton.** Handsome, creamy white; very large flowers on long stems.
- W. H. Chadwick.** A delicately formed white, sometimes showing a touch of blush-pink. It is unrivaled for its fine finish and form.

10 cts. each, the 11 for 90 cts., postpaid

THAT BEAUTIFUL NEW SINGLE 'MUM—MENSA

One of the prettiest single varieties we know of. Big, daisy-shaped flowers, borne on well-foliaged stems. Yes, we can truthfully say it is the best single we have ever offered, and will give great satisfaction.

40 cts. each, postpaid.

Bargain Offer No. 43

12 Mixed Chrysanthemums, unlabeled, for 50 cts., postpaid.



FOUR OF YOUNG'S BEAUTIES

EIGHT POMPONS, 65 CTS., POSTPAID

- Acto.** Dahlia-like petals; light rose-color.
- Baby.** The tiniest yellow; flowers like plump little buttons.
- Baby Margaret.** A pure white, slightly larger than buttons; compact.
- Black Douglas.** Free-blooming dark red; hardy.
- Klondike.** Flowers 1 inch in diameter; very pretty yellow; dwarf.
- Nellie Bly.** Pink, with lighter reverse.
- Rev. Hoffman.** One of the new bronze varieties, and a very fine one, too.
- W. Westlake.** Delicately formed; bright golden yellow.

10 cts. each, the 8 for 65 cts., postpaid

OUR COLLECTION OF FINE SINGLE CHRYSANTHEMUMS

- Ladysmith.** A most profuse bloomer; dwarf habit; daisy-shaped flowers of lavender, with yellow center.
- Lagravere.** This one is a dandy, magenta-shaded variety well worth having.
- Kitty Bourne.** Large, well-shaped yellow; excellent bloomer.
- Mary Richardson.** Has a color like sunshine on old-gold, tinged with salmon-bronze.
- Sylvia Slade.** A novelty red.

10 cts. each, the 5 for 40 cts., postpaid



L'AFRICAIN CHRYSANTHEMUM

Our "Y. & S." Quality Geraniums

For indoors or outdoors; for window-box or flower-beds; for one plant or a thousand we are in a position to furnish the best Geraniums for the money. A lavish use of Geraniums for bedding affords a striking sight in midsummer when they are in full bloom. Beautiful? Well, that is inadequate to describe them. Just a few of their uses: For bedding, the Singles and Doubles; for specimens, the Variegated-Leaf and the Pelargoniums; for boxes, the Ivy-Leaf.



ALBION AND COLUMBIA GERANIUMS

VARIEGATED-LEAF GERANIUMS

Corinne. Pretty yellow leaves, with a well-defined stripe of bronze.

Happy Thought. Center of leaves creamy white, with border of green.

Mad. Salleroil. Excellent for bordering; dwarf habit; compact grower.

Mrs. Pollock. Golden yellow, with chocolate markings.

Mountain of Snow. Graceful type of the silver-leaf Geranium.

20 cts. each, the 5 for 75 cts., postpaid

FOUR IVY-LEAF GERANIUMS

Alliance. An upright-growing, satiny rose-pink sort.

Gen. Championnette. Scarlet flowers of good form.

Jeanne d'Arc. An immense white; large trusses of double flowers; good trailer.

La Rosiere. Big, double blooms; one of the best.

15c. each, the 4 for 50c., postpaid

PELARGONIUMS

Pansy. Resembles the pansy in color and shape; the plants are dwarf in habit, and the flowers peculiar and odd.

Kingston Beauty. Large, black blotches on the upper petals; a striking and unique variety.

20c. each, the 2 for 35c., postpaid

STRAWBERRY-LEAF GERANIUM

A handsome, little, trailing Geranium with light lavender blossoms. It makes a splendid plant for hanging-baskets. 15 cts. each, postpaid.

SIX SINGLE BEDDING GERANIUMS

Albion. One of those low bushy varieties that bear a great number of blooms. It is a very good white, and we recommend it.

Columbia. Immense trusses of crimson petals with a white eye, borne in great profusion during the entire summer.

Eugene Sue. A solid red single, blooming continuously during the season. The flowers last well on the plant and withstand the heat to a great degree.

Mrs. E. G. Hill. The best salmon-pink Geranium grown. It has no peer as a bloomer, and the flowers are large, well-formed blossoms on erect stems. The foliage is ornamental in itself.

Queen of the West. The best single scarlet. The petals of the blooms are not very large, but the number of them makes up for this deficiency. A grand bedding type and well-worth planting in your garden.

Pierre Lelande. The nearest approach to a purple Geranium; a wonderfully free-bloomer and the odd color makes it a source of pleasure.

15 cts. each, the 6 for 75 cts., postpaid

SIX FANCY DOUBLE GERANIUMS

Acteon. The best Geranium, irrespective of type or color. This immense scarlet withstands the heat and is in great demand by our customers and, to meet this, we have thousands of them this year.

Fleuva Blanc. A good double white; free-blooming and an extra-good bedder.

Jean Viaud. This pretty rose-pink sort has a great following, and has proved again and again that it is the best double pink.

John Doyle. Similar to Acteon, but not quite so vigorous a grower. It is a good bloomer.

Mme. Landry. A double salmon of splendid quality, and for one who seeks the salmon-color in the double type, we cheerfully advise its use.

S. A. Nutt. The one Geranium whose popularity never ceases. In constant bloom from spring until frost, it is admirably adapted for most any purpose for which a Geranium will serve. A very dark red.

15 cts. each, the 6 for 75 cts., postpaid

THREE SCENTED GERANIUMS

Mrs. Taylor. Similar to the Rose Geranium in fragrance, but the flowers are single; scarlet.

Nutmeg. Has the scent of the ground nutmeg; excellent for bouquets.

Rose. The favorite. Used for cooking, jellies, etc.

15 cts. each, the 3 for 25 cts., postpaid



AN EFFECTIVE PLANTING OF JEAN VIAUD GERANIUMS



Fuchsia

These free-blooming plants are always nice to have in the window-garden. The numerous bell-shaped blooms afford a pretty sight to the eye. We have only the purple and white varieties. 15 cts. each.

Heliotrope

Admirably adapted for planting in a shady spot, where they put forth a large quantity of very fragrant blooms. We have the white and purple types. 10 cts. each.

Impatiens

Dainty scarlet blooms; waxy-like stems. These plants are almost constantly in bloom. 10 cts. each.



HIBISCUS, PEACHBLOW

Panama Lily

A grand sensational novelty. Just think! Six weeks after planting in the garden a few leaves appear, then a flower-stalk, then, in a day or two, it bursts forth with the purest white Lilies you ever saw. The blossoms are borne in great profusion during the entire summer. Our bulbs are big, strong, healthy-looking stock that is surely going to please you. Plant these bulbs freely, as you can easily carry them over from year to year. 15 cts. each, \$1.50 per doz., postpaid.

Jessamines

Gracillimum. Pure white, fragrant flowers; in bloom from October to February. 15 cts. each.

Grand Duke. Easily grown; double flowers of the purest white; extremely fragrant. 20 cts. each.

Grandiflora. The Star Jessamine. This white one is certainly pretty. 20 cts. each.

Maid of Orleans. The great summer bloomer. Flowers double and of good size. The color is white. 25 cts. each.

Victoria. The Everblooming Jessamine. Flowers 2 inches across; full and of exquisite fragrance. 25 cts., 50 cts. and \$1 each, according to size.

SPECIAL OFFER. 1 each of the above, sent postpaid for 85c.

Hydrangea

This is the variety that has those immense pink blooms, changing to greenish bronze and lasting for a great length of time. It is not hardy in the colder climates. Fine for setting on the porch. First size, 15 cts. each; second size, \$1. The larger size must go by express.



JESSAMINE, VICTORIA

Summer-Flowering Hibiscus

Sub-Violaceous. Enormous flowers; semi-double; clear carmine, tinted with violet. An unusually good bloomer.

Peachblow. Double salmon-pink flowers; the freest of them all. Flowers measure 6 inches across.

Carminatus. A soft velvety rose variety, with deep crimson eye; glossy foliage.

15 cts. each, the 3 for 40 cts., postpaid; larger size, 25 cts. each, the 3 for 60 cts., by express, purchaser paying charges

Gladiolus

OUR DOLLAR COLLECTION

America. A soft lavender variety; immense spikes.

Chicago White. Very early; white, with faint lavender streaks.

Glory. The Ruffled-edge Gladiolus. A delicate pink, with crimson shadings.

Hyde Park. A frosty white, with streaks of old-rose in upper petals.

Margaret. Vigorous grower; brilliant carmine, interspersed with white blotches.

Mrs. Francis King. Pretty vermilion-scarlet; large flower and long stem.

Niagara. Canary-yellow, throat splashed with carmine, stamens purple.

Princips. Flowers 6 inches across; red.

20 cts. each, the 6 for \$1, postpaid

OUR FIFTY-CENT COLLECTION

Columbia. Light orange-scarlet, penciled with purple.

Henry Gilman. Peculiarly marked salmon-scarlet.

Little Blush. Dwarf habit; compact spikes of blush-white.

Oddity. Deep amaranth-red, with odd markings of purple and white.

Portland. Rosy red, penciled darker; mottled throat.

Salem. Elegant salmon-pink.

10 cts. each, the 6 for 50 cts., postpaid

"Y. & S." MIXTURE

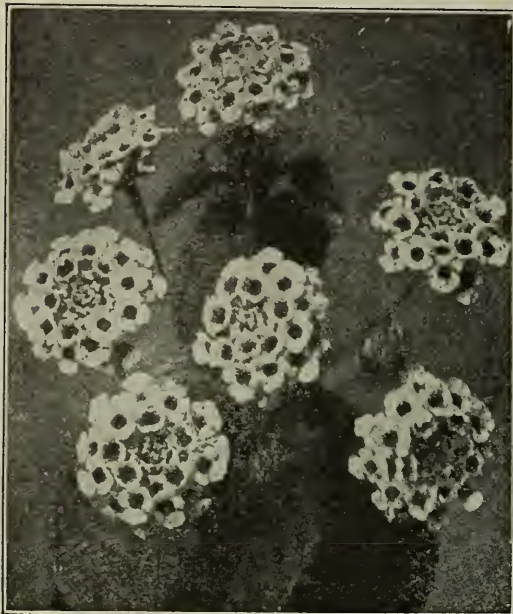
Composed of the finer named varieties. Some extra-good colors in this mixture. Extra-sound bulbs. 10 cts. each, 60 cts. per doz., postpaid.

RAINBOW MIXTURE

For beds planted with assorted colors, we advise this collection. They are beauties. 5 cts. each, 30 cts. per doz., postpaid.



GLADIOLUS, NIAGARA



LANTANA

Our Dwarf Lantanas

These are perfect little plants for bordering flower-beds, for planting alongside the walk, or even in a bed by themselves. They grow from 2 to 3 feet in height, and are almost covered with clusters of flowers. The colors of different varieties range from clear white to deep red.

Crussalis. A new sort; brilliant, clear yellow.

Pictavi. Semi-dwarf type; profuse; rose-pink.

Amiel. Orange-red, with golden center; a beauty.

Argus. Orange flowers, with yellow centers.

Radiation. Red blooms, with changing orange and yellow centers.

Snow Queen. A very dwarf white variety. Splendid for borders and for massing.

Tethys. Lovely cream-color, shading to canary.

10 cts. each, 3 for 25 cts., postpaid



PONDEROSA LEMON

New Double Marguerite Daisy

Mrs. Sanders. Where once the single Marguerite Daisy ranked first, this Daisy has taken its place. Truly this is a most wonderful improvement, not alone in the size and shape of the blooms, but in the foliage as well. Its foliage is much finer, cleaner cut, and there is more of it than on the old single type. You must see this one to really appreciate its true worth. The price is reasonable considering the great beauty of the flowers. 15 cts. each, 2 for 25 cts., postpaid.

Grow These Two Tropical Plants at Home

There is no reason but that with a little care you can grow these in your home. It is interesting to see the little plants blossom and after a time the fruits form and then turn to their true colors. Try them.

Ponderosa Lemon. A lady sent us one weighing three pounds. You can do just as well. Free-fruiting.

Otaheite Orange. Little Oranges just literally cover the plants at maturity.

20 cts. each, the 2 for 35 cts., postpaid; larger plants 50 cts. each

Giant Pansies That Satisfy

These are produced from the best strains of Pansy seed. Embracing a wide range of color, we can give you as good, if not a better, assortment than you will find elsewhere. 5 cts. each, 50 cts. per doz.

A HINT FOR 1914

TRY
THOSE
"RIGHT-
METHOD"
ROSE
BUSHES



DOUBLE FRINGED PETUNIAS

Two Superb Double Fringed Petunias

Pink Beauty. A new variety, with daintily fringed petals. The color is a soft rose-pink. Remarkably free-blooming qualities.

White Star. As the name signifies, a white of perfect form and beauty.

15 cts. each, the 2 for 25 cts., postpaid

Fancy Single Petunias

This year they are better than ever before—new colors—larger flowers—some slightly double. Try them for bedding purposes. 15 cts. each, 2 for 25 cts., postpaid.



GIANT PANSY

Zurich, The Everblooming Salvia

A mass of fiery red flowers from spring until frost. It has proved such an improvement over the other sorts that we are handling it exclusively. We have never seen its equal. The plants grow just the right height, 2½ feet, and the foliage extends to the base of the plants, which tends to make them excellent for planting alone. When in bloom the plants are almost a solid mass of intense scarlet, brilliant and dazzling when backed by green shrubbery or taller plants. We consider this new Salvia the best of all the Flowering Sage family. 10 cts. each, \$1 per doz., postpaid; larger size, 15 cts. each, \$1.50 per doz., by express, at purchaser's expense.

Tuberose, The Pearl

A pure white, single Tuberose that is a great improvement over the old type. It blooms almost continually during the summer. The flowers are very fragrant and the blooms are borne on erect stems. The bulbs are tender and must be taken up in the fall, before freezing weather sets in, but this slight labor is amply rewarded by the quantity of bulbets that are secured, and which can be planted the following season, thus increasing the size of the bed from year to year. First size, 5 cts. each, 30 cts. per doz.; second size, 10 cts. each, 50 cts. per doz.

ARMSTRONG'S EVERBLOOMING TUBEROSES

Here is the type you have always desired—one that blooms continuously from spring until frost, bearing large stalks of snowy white blossoms of the most delightful fragrance. This delightful fragrance always attracts attention as one passes by the garden. But for a more practical use, they come in handy when using in combination with a flower that has no odor. The long spikes are useful when you want cut flowers in a tall vase for special decorations, and the waxy whiteness and delicate fragrance make the blooms a center of interest everywhere. 10 cts. each, 60 cts. per doz., postpaid.

Periwinkle

That delightful little "Star of Bethlehem" flower that withstands the hot summer winds, always pleasing the eye with a profusion of pretty blooms. Pink and White. 10 cts. each, \$1 per doz.

Wax Plant

A climbing vine for indoor culture. The leaves look like wax, and from the cluster of pink blossoms ensues a waxy fluid. Fine for hanging-baskets. 20 cts. each, postpaid.



NEW GIANT VERBENA



SALVIA ZURICH

New Giant Verbenas

The chance to secure Verbenas to color is afforded you. We have secured a very desirable collection of mammoth-blooming varieties, Red, Pink, Purple and White. 10 cts. each, \$1 per doz., postpaid.

MIXED VERBENAS

A splendid assortment, but consisting of mixed, unlabeled sorts. We cannot furnish these under separate colors. 5 cts. each, 50 cts. per doz., postpaid.

Everything for the Water-Garden

The ease of growing the following aquatic plants should be an inducement to everyone to have a shallow pond or aquarium in which to grow them. Nothing is more beautiful than those big Pond-Lilies when in bloom. Could anything be more interesting than those pretty Water Hyacinths floating on the surface of the water, and in May bursting forth with the prettiest lavender blooms imaginable—and the others are just as interesting.

Nymphæa flava. This pretty yellow Water-Lily is extremely fragrant, with leaves of dark green shaded with brown. Suitable for pond, tub or aquarium. 30 cts. each.

Nymphæa odorata. Just glance for a moment at the illustration. Don't those pretty blooms appeal to you? Well, that

picture can't come near describing the beauty of this variety. Color pure white; blooms measure 6 inches across, the leaves 18 inches. 25 cts. each.

Nymphæa sulphurea. A beautiful yellow type of our native variety. \$1 each.

Nymphæa rosea. This is the famous free-flowering Cape Cod Lily. Large, fragrant blooms of a delicate pink. 50 cts. each.

Nymphæa odorata minor. A miniature Lily, measuring 2 inches across. Does very well where the water is shallow. Pure white and very fragrant. 20 cts. each.

Water Hyacinth. A most interesting plant, floating on the surface of the water. It is really the ideal aquarium plant, as it is not necessary to have soil to thrive successfully. The fish feed on its roots. 15 cts. each, 2 for 25 cts., postpaid.

Umbrella Plant. This fine plant does very well in aquariums. 20 cts. each, postpaid.

Parrot's Feather. This is a beautiful trailing water plant and can be successfully grown in water-tight hanging-baskets. Looks like miniature green ostrich-plumes. In ponds it desires a very shallow place. 15 cts. each, 2 for 25 cts.

LEAFLET, "HOW TO MANAGE A WATER-GARDEN," sent free on request.



NYMPHÆA ODORATA

VINES—CLIMBING, CREEPING, DROOPING

THOSE MARKED (H) ARE HARDY, AND WILL STAND FREEZING WEATHER



BIGNONIA RADICANS

Ampelopsis Veitchii · Boston Ivy (H)

For covering the walls of churches, residences, factories or entrances, this vine is unsurpassed. Perfectly hardy, withstanding the heat of the summer and cold of the winter, it has proved itself desirable wherever planted. A trial will convince you of its adaptability to any location. No matter on what side of a house it is planted, it puts forth those dark green leaves, each one overlapping the other, until in time it is one solid mass of pretty foliage. In autumn the leaves take on a pretty bronze effect, making it more attractive than ever. The fastest hardy climber we handle. 15 cts. each, \$1.50 per doz.; second size, 25 cts. each, \$2.50 per doz.

Ampelopsis quinquefolia · Virginia Creeper (H)

A very fine ornamental climber, somewhat similar to Boston Ivy, having the same habit of clinging to stone walls, etc., without being tied. It is a fast, rampant grower and thrives under the most adverse conditions. You can plant this vine facing any exposure, as it is perfectly hardy. 25 cts. each.

Bignonia · Tecoma (H)

Grandiflora. Large, trumpet-shaped flowers of orange-scarlet. Excellent for covering rockeries, etc. 40 cts. each, by express, at purchaser's expense.

Radicans. When you desire a showy flowering vine, take this one. Flowers orange-red; quick climber, free-bloomer. 2-year-old plants, 35 cts. each, by express, at purchaser's expense.



LARGE-FLOWERING CLEMATIS

Superb Large-Flowering Clematis (H)

Henryi. The best single-flowered white; robust habit; vigorous climber and perfectly hardy.

Jackmanii. The illustration gives an idea as to the shape of the bloom. The color is truly beautiful, being a rich, royal purple; very profuse.

Ville de Lyon. A fit companion for the two foregoing; a brilliant crimson. Plant the three for pretty effect.

Ramona. As near a perpetual bloomer as any Clematis grown. The sky-blue color instantly appeals to those who want something different.

Gypsy Queen. Large, velvety purple flowers; vigorous grower of exceptional merit.

50 cts. each, the 5 for \$2.25, by express, at purchaser's expense

Sweet-Scented Japanese Clematis (H)

Like a bank of snow in August and September, this fragrant Japanese Clematis attracts one by its beauty. The flowers are small, star-shaped, and produced in the greatest profusion. One of the hardiest flowering vines we grow. Plant it freely on porches, trellises, etc., and you will be more than pleased with the effect obtained. Our stock is extra strong, and even the one-year plants will throw countless numbers of blooms the first year. 20 cts. each, \$1.75 per doz., postpaid; two-year old plants, 50 cts. each, \$5 per doz., by express, at purchaser's expense.



SWEET-SCENTED JAPANESE CLEMATIS

The Fragrant Cinnamon Vine (H)

This plant has the most delightful little white blooms, of a rich, spicy fragrance. A vine that makes great progress, growing in some locations to the height of 25 feet in one season. 5 cts. each, 50 cts. per doz., by express.

The Premier Grave Vine · English Ivy (H)

The glossy leaves of this great creeping vine in time make a solid mass of foliage over the grave, crowding out weeds, etc., making it most desirable. 10 cts. each, \$1 per doz.

German Ivy for Baskets

Our best solid green-leaf vine for hanging-baskets; retains its foliage and does not have that bare stem like some vines. 10 cts. each, \$1 per doz.

Ground Ivy (H)

Where grass won't grow plant this pretty variegated-leaf vine. This Ivy is an extremely rapid grower, soon covering the space with a closely woven mat of green and white foliage. Very pretty, too, when used to cover rockwork or unsightly stumps and fences. 10 cts. each, \$1 per doz.

Young's Quality Honeysuckles (H)

If you have only a small porch at the rear of the house, put a Honeysuckle near it and in a little while you will have a screen that will be sweet with the odor of the flowers, and an effective barrier to prying eyes. Clip the ends of the long shoots, and the plants will make a thick growth of leaves. These Honeysuckles will grow in almost any soil—sand, clay, loam—but respond to care and fertilizers, as do all plants. They will bloom from June to late fall, are healthy under normal conditions, and free from annoying insects.

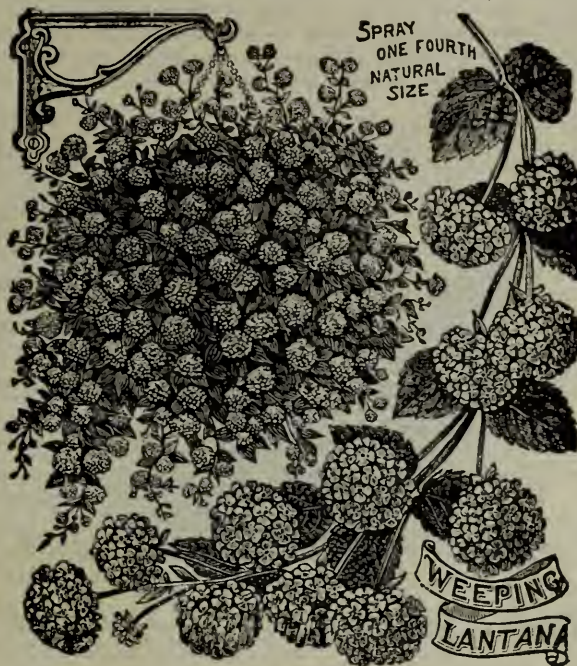
Sweet-scented Heckrotti. A variety that blooms during the entire season. Its remarkably large blossoms are delightfully fragrant. Rich red and yellow flowers.

Halliana. The evergreen Honeysuckle, blooming from July to November. Flowers pure white, changing to yellow.

Coral. Like clusters of coral fastened to dark green foliage describes this splendid variety. An all-summer bloomer.

Belgica. Flowers every month. The blooms are borne in immense clusters of red and yellow; fragrant.

50 cts. each, the 4 for \$1.75, by express, at purchaser's expense



Kudzu Vine (H)

A very fast-growing vine, having flowers similar to the wistaria. Grows 20 feet in one season. 25 cts. each, \$2.50 per doz.

Weeping Lantana

You get a pretty good idea of this excellent plant from the illustration. All those blossoms are round balls of the prettiest lavender-color you ever saw. It is the best blooming vine for hanging-baskets we carry in stock. It blooms continuously from spring until frost, and with a little care could be grown indoors, although we really don't recommend it for indoor culture. 10 cts. each, 3 for 25 cts., postpaid.



MOONFLOWERS

Three Beautiful Moonflowers

Sweet-scented White. We have grown this variety for years, and it has gained in popularity right along. It's the freest-flowering Moonflower grown. Large blooms which give forth a most delightful fragrance when fully opened. The fastest climber grown. (See illustration.)

Blue King. A variety, while not so large as the white, nevertheless has the same splendid blooming habits, being extremely profuse. A companion for the white and is very effective when planted with it.

Mexican Red. A novelty which has taken us years to secure sufficient stock of to meet the demand. Large magenta-red blooms, scattered in great profusion over the entire plant. Not quite the climber the blue and white are, but its pretty blooms amend for this.

20 cts. each, the 3 for 50 cts., postpaid; larger plants, 35 cts. each, the 3 for \$1, by express at purchaser's expense; by the dozen, \$2 and \$4 respectively.

Maurandia Vine

A climbing vine that does not grow very high, making it splendid for window or conservatory use; also does well in hanging-baskets. 10 cts. each, 3 for 25 cts., postpaid.

Chinese Wistaria (H)

Blue. This is the favorite, as those long panicles of pretty blue flowers never fail to please. It is a good climber and reaches the extreme height of 50 feet at maturity. 50 cts. each, 3 for \$1.25, by express, at purchaser's expense.

Sinensis, White. Has long drooping clusters of the purest white; a good climber. 50 cts. each, 3 for \$1.25, by express, at purchaser's expense.

Madeira Vine

Thick, glossy leaves and long, drooping stems of feathery, fragrant white flowers. 5 cts. each, 50 cts. per doz., postpaid.

Moneywort (H)

Tiny green leaves, forming a thick carpet. Try this where grass fails. 15 cts. each, \$1.25 per doz.

Myrtle (H)

Ideal for cemetery planting; makes a thick, dark green mass; blue flowers. 10 cts. each, \$1 per doz.

Trailing Vinca

This is the best plant for window-boxes, etc., as the variegated green-and-white leaves produce a striking effect. 25c. ea., \$2.50 per doz.

Wandering Jew

The old favorite: wax-like, variegated leaves; drooping habit. 10 cts. each.

The box of Roses which you sent last week reached me in fine shape. Was surprised to receive two extra ones, for which please accept my thanks. When I order again, you shall receive it. Respectfully—Mrs. R. S. P., Bunker Hill, Ill., May 12, 1913.



CHINESE WISTARIA

Decorative Plants For All Purposes

A fern here, a palm placed there, sometimes give that touch of finish that is so much desired. The foliage of these decorative plants are always in harmony with most rooms, and a careful selection will add much to improve the appearance of the interior furnishings. We furnish thousands each year to the most palatial residences in St. Louis and elsewhere. Plants of this character are always in style, in fact they are indispensable in an artistic plan of decoration. It may be possible to do away with cut-flowers, but with palms, ferns or similar specimens, never. For everyday in the home, for weddings, for receptions and other social functions, use the rich green foliage of living plants if you want the best decorations. They are always in style.

Asparagus Ferns

Plumosus. The plume-like fronds of this Fern are very ornamental and decorative as well. It does well in ordinary dwellings, and has made many friends by its thriftiness under adverse conditions.

Sprengeri. The trailing variety. Splendid for baskets and window-boxes indoors. Has long, trailing plume-like fronds of light green, sometimes reaching the length of 4 feet. You can use them as "greens" for bouquet work, and get just as good results as an expert florist.

Either variety, 10 cts. each, 3 for 25 cts., postpaid; larger plants, 25 cts. each, \$2.50 per doz., by express at purchaser's expense.

Araucaria, The All-Year Christmas Pine

An excellent plant for indoors. The star-pointed leaves are produced in tiers of four and five branches each. It does remarkably well with a little care, and has all the features that go to make an ideal house plant. \$1, \$2 and \$5 each, by express only, purchaser paying charges.

Japanese or Globe Ferns

When you receive this Fern there is no visible sign of life, but immerse it in water three or four times a week and in a couple of weeks, a shoot appears and rapidly this seemingly dead plant changes into one of the prettiest Ferns imaginable. It is a Japanese novelty, and can be hung up like a hanging-basket. A well-grown specimen is one of the prettiest things we know of when used as a part of a veranda decoration. The novelty of Ferns growing in mid-air always attracts attention and comment. Try one of them this year. 50 cts. and 75 cts. each, postpaid.



ASPARAGUS PLUMOSUS AND
WANDERING JEW



OSTRICH-PLUME FERN, NEPHROLEPIS WHITMANII

Boston Fern

Still the leader of all Ferns. Its pretty fronds, which have a graceful, drooping habit, commend it as a plant of merit. It grows rapidly under all conditions and its reasonable price places it within the reach of all. It is really too well known to need a lengthy description. 15 cts. and 25 cts. each, by mail, postpaid; specimen plants at 50 cts., \$1, \$2, \$3 and \$5 each, by express at purchaser's expense.

Ostrich-Plume Fern

Similar to the Boston Fern, except that the leaves are much finer cut and closely resemble an ostrich-plume. It is a dwarf, compact and thrifty grower. 15 cts. and 25 cts. each, postpaid; larger plants, \$1, \$3 and \$5 by express at purchaser's expense.

Scottii, The Best Dwarf Fern

A miniature Boston Fern, retaining all the excellent features of the mother plant, except the habit of growth, this being dwarf where the other is tall. For a place where a plant is desired that takes up little room and at the same time is ornamental, we recommend this plant. 15 cts. and 25 cts. each, postpaid; larger plants, \$1 and \$2, by express at purchaser's expense.

Croton—A Plant of Many Colors

These plants are veritable "Joseph's Coats," they are in such a variety of colors. As house plants, for the person who desires the unusual, we advise the purchase of a couple of these. Very easily grown and handsome. They are odd and unusual and we know you will like them. 50 cts. and 75 cts. each, by express only, at purchaser's expense.

Aspidistra

Sometimes called the "Iron Plant" on account of its extreme hardiness. The leaves sprout up from the base of the plant, and are about 2 feet long, of the darkest, glossy green. For a corner in the reception hall, or where the plant receives very little light, we recommend this. \$1 and \$2 each, by express, at purchaser's expense.

Dracaena (Dragon Tree)

We have this plant in red, green, and green with yellow stripes. It is a species of the dragon-tree mentioned in fairy tales. Splendid for indoors. 50 cts. and \$1.50 each, by express only, at purchaser's expense.

Ferns for Fern Dishes

We carry an enormous stock of the dwarf Ferns especially grown for this purpose, and can supply any quantity you may desire. Let us send you one of our 75 ct. Fern-Dishes; they fit the regular 7-inch standard dish. This must go by express at your expense. Single plants 10 cts. each, \$1 per doz.



ARAUCARIA EXCELSA

Ornamental Box and Bay Trees

Boxwood. Shapely plants of the evergreen family. They add a certain finish to the front of a residence that is hard to obtain otherwise. They can be trimmed in any desired shape—spheres, cones, pyramids, etc. Height, 2 and 4 feet respectively. \$1.50 and \$3.50 each, by express only, at purchaser's expense.

Bay Laurel. These are directly imported by us from Holland. The trees have well-formed heads on straight stems. Another splendid plant to use for porch decoration. \$12 to \$25 a pair. These must go by express, at purchaser's expense.

Two Sterling Rubber Plants

Elastica. The old-fashioned Rubber Tree. Suitable for house or veranda decoration, and can be used outdoors in summer. The glossy, green leaves are a source of beauty, and the plants thrive well under all conditions. They are particularly good for the living room; the tough, leathery leaves seem to be made to stand the dry atmosphere of the house. A weekly sponging to keep them free from dust is about the only attention required, other than an occasional watering. These are too large to go by mail, so must be sent by express, at purchaser's expense. 50 cts., \$1 and \$2 each.

Pandurata. The new Rubber Plant. It has the same characteristics as the old plant, but is more beautiful, and the leaves are very broad, measuring at times 10 inches. Very glossy, dark green foliage. Must go by express. \$1 and \$2 each.



ASPIDISTRA



BOX TREE

Pandanus Veitchii

A highly decorative plant, with gracefully curved, dark green leaves, with a stripe of white. This is sometimes known as the "Sword Plant" on account of its sharp-edged leaves. The Pandanus is one of the best plants for use in living-room decorations, as it will withstand the dry atmosphere fully as well as palms. The variegated leaves add to the attractiveness of the plant, and small specimens are specially suited for fern pans and table decorations. 50 cts. each, postpaid; larger plants \$1 and \$2, by express at purchaser's expense.

Dwarf Palm, Cocos Weddelliana

Very hardy Palm, with erect, graceful leaves. This plant is a very slow grower, and is excellent for a center plant for ferneries, or as a single specimen for table decorations. 25 cts. each, postpaid.

The Celebrated Zebra Plant

Big, strong, white and green leaves of leathery texture. Stands for days without water and thrives under conditions that would kill an ordinary plant. The leaves are 3 or 4 inches across, and from 12 to 18 inches long. Several narrow white stripes run the whole length of each leaf. If you want a plant that will thrive under all conditions, good or bad, we advise this one. 20 cts. each.

Palms • Palms • Palms

We grow two large greenhouses of these plants alone, and are in a position to serve you with the best at a very reasonable price. Give us a trial.

Kentia Forsteriana. A tall-growing Palm; very hardy; for indoors and highly decorative. 50 cts. each, postpaid; larger plants, by express, \$1.50, \$2.50 and up to \$10 each.

Kentia Belmoreana. A dwarf type of the foregoing. Splendid for decorating the home, as it takes very little room. 50 cts. each, postpaid; larger plants, by express, \$1.50, \$2 and up to \$8 each.

Phoenix Roebelinii. A dwarf, fine-leaf Palm; very hardy. Excellent for library or reception-halls. \$1 and \$2.50 each, by express only, at purchaser's expense.

Areca lutescens. The most graceful Palm we list. The leaves are upright-growing and a light shade of green; very hardy, and grows well in the dry air of the ordinary living-room. 50 cts. each, postpaid; larger plants, by express, \$1, \$2 and up to \$6 each.

Latania Borbonica. The famous Fan-leaf Palm. Ideal for decorating and does very well in the home. Foliage is handsome, bright green and glossy. 50 cts. each, postpaid; larger plants, by express, \$1 \$2 each.



ARECA PALM

SPECIAL OFFER

\$10 worth of Choice House Plants for

\$7.50

by express

It consists of one each of the plants, first size, on pages 50 and 51, with the exception of Box and Bay trees.



JAPANESE OR GLOBE FERN. Two sizes, 50c. and 75c. each

I want to let you know that the plant order 4176 reached me in good condition, and I thank you so much for the "extras" you sent with them and do hope they will all live. Sincerely yours, Mrs. M. E. D., Columbia, Mo., May 10, 1913.

Roses received this evening in good condition. Many thanks for the premium. We are well pleased. They were nicer than we expected for the price. Thanking you again for your promptness. Respectfully yours, Mrs. E. R. L., Barry, Ill., May 24, 1913.



HAVE A HARDY BORDER LIKE THIS FOR \$10 (See page 56)

Young's Hardy Plants for the Garden

The hardy gardens of grandmother's days are rapidly coming back to their own. The reason for this increasing popularity is apparent, as they require but little care when once planted, and, with a little attention each year, remain a thing of beauty ever after.

Tall, old-fashioned Hollyhocks intermingle with the Larkspur and Foxglove, while here and there a touch of red appears as the Cardinal Flower and the Japanese Lilies show their heads, the Phlox and Sweet Williams add their share to the galaxy of color, and even a touch of the Orient is shown with Poppies and Iris.

Wouldn't you love to have a garden like the one just described? You can have it easily enough, if you will but turn to page 56 and note that splendid offer. It contains 100 assorted hardy plants, each one of first-quality stock. If you do not care to make so big an outlay for the first time, we are sure the prices on the following pages will prove of interest to you.

Achillea, The Pearl

A great cemetery plant, blooming in July, it is literally covered with hundreds of pretty double, pure white blooms. The flowers are produced in large sprays making them suitable for cut-flowers. 10 cts. each, \$1 per doz.

Hardy Aster

A new giant-flowering type of the Hardy Aster, the flowers at times measuring 2½ inches across. Pretty flowers of violet-purple, with yellow centers. A recent and valuable addition to the perennial list. 20 cts. each, \$2 per doz.

Cornflower Aster

The old-reliable Stokes' Aster is one of the most charming of our native plants. Starts blooming in July and never lets up until cut down by frost. It is easily grown, and the lavender-blue blossoms put a delicate touch to your hardy garden. 20 cts. each, \$2 per doz.



CORNFLOWER ASTER



COREOPSIS LANCEOLATA

Campanula · Cathedral Bells

This quaint little flower is perhaps better known as the "Bell-flower." It has proved itself one of the choice plants, and deserves a place in the well-planted garden. The flowers are deep-throated and appear in the many shades of blue and white. 15 cts. each, \$1.50 per doz.

Columbine · Aquilegia

The varieties we have are improvements on the old-fashioned Columbines, and at the same time retain its original quaintness. Especially suitable for planting at the base of foundation walls and under trees. Assorted colors, Red, Yellow and White. 15 cts. each, \$1.50 per doz.

Cardinal Flower

A dwarf-growing perennial, producing stalks of bright scarlet blooms. Admirable for planting along the edge of borders, giving the touch of bright color needed. 15 cts. each, \$1.50 per doz.



DIGITALIS (FOXGLOVE)

Coreopsis

The hardy cosmos. The pretty orange-colored blossoms extend above

the compact growth of the plant. It starts to bloom in June and continues until late in September, in most climates. It has proved very popular and is in great demand. 10 cts. each, \$1 per doz.



A BED OF GAILLARDIAS

Gaillardias

These pretty flowers produce the best effect when planted in masses, although they are effective when by themselves. It has given satisfaction wherever planted, and we feel confident that it will please you. The daisy-shaped blooms are of the prettiest colors imaginable, being a dark red-brown, with petals of orange, crimson and red. Blooms from spring until frost. 15 cts. each, \$1.50 per doz.

Digitalis · Foxglove

Large spikes of various shades of purple, rose-red, yellow and bronze. The blooms rise well above the plant on stalks sometimes 4 to 6 feet in height. Makes a desirable background for other plants. 15 cts. each, \$1.50 per doz.

English Daisies

Low-growing, compact little plants which bloom in the greatest profusion. Excellent for bordering. The flowers are tight little button-shaped blooms of pink and white. 5 cts. each, 50 cts. per doz.



DELPHINIUM (LARKSPUR)

Delphinium · Larkspur

Formosum. From July to September this variety puts forth large flower-spikes covered with deep blue blossoms with a white center. 15 cts. each, \$1.50 per doz.

Kelway's Hybrids. Bloom in July and August. Flowers mixed blue and white; extremely hardy and prolific bloomers. 15 cts. each, \$1.50 per doz.

Mørheimi. A beautiful new variety of the purest white. Can't be equaled for blooming qualities. 50 cts. each, \$5 per doz.

Five Pretty Day Lilies

White Marvel. Beautiful, glossy leaves; flowers pure white. 15 cts. each, \$1.50 per doz.

Blue King. Large, fragrant blooms of pure blue, produced in great clusters. 15 cts. each, \$1.50 per doz.

Flava. The Yellow Day lily. Has a multitude of yellow blossoms during July and August; fragrant; dwarf. 20 cts. each, \$2 per doz.

Kwamso. Double orange blooms, shading to copper. A splendid bedding variety. 15 cts. each, \$1.50 per doz.

Bronze King. Somewhat similar to Kwamso, except that the foliage has a well-defined white stripe running through the center of each leaf. A profuse bloomer. 35 cts. each, 3 for \$1.



TYPE OF GERMAN IRIS

Japanese Iris, Named Varieties

Tanka. White, mottled and slashed with scarlet, petals white at base, shading to yellow; white standard, tipped red.

Yodo. Pink lower petals, with the standards tipped with red.

Kuma-Fungii. Purple petals, overlaid with navy-blue; orange blotches.

Ran. Dark claret, with white standards; a splendid type.

Gekka. A pure white; exceptionally profuse.

Mt. Hood. The petals are a deep blue, slightly shaded with a darker blue.

25 cts. each, the 6 for \$1, postpaid

Japanese Iris, Mixed Colors

We always have a demand from those who like assorted colors, and to meet this and also to enable them to purchase them somewhat cheaper, we make an offer of mixed varieties, unlabeled, at 15 cts. each, \$1.25 per doz., postpaid.



SHASTA DAISY

Young's Hardy Garden Lilies

Auratum. The famous Gold-banded Lily of Japan. Flowers are pure white, dotted with crimson, and a pure golden band extends through each petal. 20 cts. each, \$2 per doz.

Melpomene. A splendid flowering type with flowers of frosty white, spotted and shaded with pinkish crimson. 20 cts. each, \$2 per doz.

Single Tiger Lily. A very hardy native Lily, and used extensively on account of its hardiness and excellent blooming qualities. Orange-red petals, spotted with black. 10 cts. each, \$1 per doz.

Double Tiger Lily. Pretty orange-yellow blossoms, borne on erect stems, standing 4 to 6 feet in height. A type that surely pleases. 15 cts. each, \$1.25 per doz.

Two Everblooming Dianthus

The Bride. Always has been satisfactory to all who have tried it. It forms a compact-growing plant, about 10 inches in height, and from the middle of July to frost is a mass of carnation-like flowers of pure white.

Napoleon III. A red variety that for freedom of bloom is unequaled. It has taken us several years to lay in sufficient stock to meet demands. This year we hope to be able to fill all orders promptly. It is a wonderful bloomer, and the crimson blooms add much to the summer appearance of the garden.

15 cts. each, the 2 for 25 cts., postpaid; \$1.50 per doz.



THE PRETTY JAPANESE IRIS

THAT \$10 OFFER
on Page 56
Will Interest You

German Iris for Pretty Effects

Charles Dickens. The standard petals are a dark blue, with the falling, or drooping, petals dark blue, suffused with purple.

Mrs. Darwin. A most beautiful variety having some pure white petals, with the veins of the others colored violet.

Mme. Chereau. The tallest Iris, growing 30 inches in height. Flowers white, daintily edged with porcelain-blue.

Venus. Standard petals are yellow, with golden yellow edges; drooping petals are white, striped purple.

15 cts. each, the 4 for 50 cts., postpaid; \$1.50 per doz.

Lily-of-the-Valley

As the spring advances, and the weather begins to get warmer, then the little bell-shaped blossoms of the Lily-of-the-Valley make their appearance. For out-of-the-way places, for nooks too small to plant larger plants, and shady spots, you should not forget to plant liberally of these. They increase each year and are perfectly hardy. The white blossoms are very fragrant. Try them. 5 cts. each, 30 cts. per doz., \$2 per 100, delivered free.

Bleeding Heart

An old favorite and should be planted freely in the hardy garden. The flowers are heart-shaped and a peculiarly marked white band or cleft across each bloom; they are borne on long stems, which droop gracefully, as the wind blows. 25 cts. each, \$2.50 per doz.

Young's Novelty Colored Peonies

Amabilis lilacina. Free-blooming type, with pale lilac blooms, changing to pure white.

Chrysanthemiflora. An immense, deep pink, with paler shadings in the center; strong stems and erect.

Festiva maxima. The best of all varieties. A standard white, with carmine spots on some of the petals. 50 cts. each, \$5 per doz.

Louis Van Houtte. Not very double and the flowers have a rather loose-appearance. Exceptionally valuable in landscape work on account of its pretty color—a carmine-maroon.

Pomponia. Outer petals a violet-rose, deepening to a mauve-rose in the center.

Rosea elegans. Large flowers, with the guard petals a silvery rose, center creamy white, suffused with rose.

35 cts. each, except where noted. One of each for \$1.75, postpaid

Solid-Color Peonies

If the price of the fancy varieties prohibits the purchase of Peonies, we call your attention to these solid-color varieties. We have them in Pink, Red and White. Excellent for massing along a group of shrubbery. 25 cts. each, \$2 per doz.



HARDY PHLOX

Hardy Garden Pinks

These are those pretty little dwarf-growing Scotch Pinks, so much admired for their fragrance and pretty variegated blooms. We have these in Pink, White and Purplish Red. Useful for bordering. 10 cts. each, \$1 per doz.



DOUBLE CRIMSON PEONY

Those Brilliant Oriental Poppies

A touch of the Orient can be added to the hardy garden, by planting these pretty plants. The leaves are very ornamental and the great, immense blooms of orange-yellow with big black spots attract the attention and admiration of everyone. The flowers are peculiar in their markings; at the base of each petal is a deep velvety black formation that resembles the Maltese cross, which gives the flower an appearance that is at once striking and attractive. A mass planting of Oriental Poppies is most effective when arranged in front of a planting of shrubbery or at a curve in the walk or drive. 15 cts. each, \$1.50 per doz.

A \$15 Hardy
Garden for \$10

See page 56

Dwarf-Growing Phlox

Bridesmaid. A low-growing variety of purest white, touched with a dash of crimson in the center of each petal.

Flora Hornung. Another good type; profuse bloomer, immense heads; color a creamy white; red eye.

Frau Bucher. Very strong habit, and without a doubt the best variety listed; pure white.

Mme. P. Dutrie. One of those soft pinks so much desired in plants; compact grower.

Rosenberg. Immense trusses of reddish violet blooms, each one having a blood-red center. Strong grower.

Von Hochberg. A distinct variety of exceptional merit. Flowers are solid crimson and very effective.

15 cts. each, the 6 for 75 cts., postpaid; \$1.45 per doz.

Tall-Growing Phlox

Athis. Tall; dark stem; light salmon, violet eye.

Coquelicot. A variety that will appeal to you with its magnificent orange-red flowers, with bright crimson centers.

Eclairer. A very late-blooming type of excellent quality. Flowers are a rosy magenta shade, surrounded with a band of lighter color.

Miss Lingard. An early, tall-growing sort that continues to bloom all summer; color pure white; excellent keeper.

Selma. If you prefer a delicate shade of pink in the tall-growing sorts, we feel sure this is the one you want.

Pantheon. An attractive type; color a salmon-rose, somewhat resembling the Hill geranium in color.

15 cts. each, the 6 for 75 cts., postpaid; \$1.45 per doz.



ORIENTAL POPPIES

Helianthus

Maximiliani. Blooms late in the fall; its long, graceful branches are full of sprays of golden yellow flowers.

Maximus. Immense, single blooms, 5 to 6 inches across; blooms freely from August to September.

15 cts. each, \$1.50 per doz.

Double Hollyhocks

Once planted, they come up each year, increasing in size and beauty. They are absolutely essential for an effective background for your hardy garden. We can supply them in four colors, Red, Pink, Yellow and White. 15 cts. each, \$1.50 per doz.

Allegheny Hollyhocks

A new single-fringed type. A splendid bloomer and extra-hardy. Has the same tall-growing habit of the old type. We can only supply this in assorted colors, unlabeled. 15 cts. each \$1.50 per doz.

Rudbeckia · Golden Glow

A desirable, hardy flowering plant. Its large, yellow blooms are borne in the greatest profusion from early summer until the frost comes. Stems are 5 to 7 feet in height. Flowers resemble a yellow cactus dahlia. 15 cts. each, \$1.50 per doz.

A New Pyrethrum

A grand addition to this well-known family. It resembles a large white daisy. The flowers are gigantic in size, measuring 5 inches across; full-double center, with single outer petals. It is a pure white and extremely beautiful and attractive. Worth planting freely. 15 cts. each, \$1.50 per doz.

Tritoma · Flame Flower

This is one of those plants that attracts a person's attention by the size and beauty of the blooms. The flowers are gigantic in size, sometimes being on stems $4\frac{1}{2}$ feet in height, with flower-head measuring 12 inches. Color is a reddish orange. 15 cts. each, \$1.50 per doz.



TRITOMA, or FLAME FLOWER



YUCCA FILAMENTOSA

Hardy Hibiscus

Few people realize the beauty of this type of plants; the immense blooms are bell-shaped, measuring 5 inches across, pure white, with large crimson eye. 15 cts. each, \$1.50 per doz.

Giant Marsh Mallow

This is the improved Hibiscus. The flowers measure about 10 inches across, and are produced in great profusion during the summer. Perfectly hardy and exceedingly robust in habits. They have proved welcome wherever tried, and we feel certain that they would please you also. Colors Crimson, Shell-pink and White. 35 cts. each, 3 for \$1.

Ragged Robin

A very pleasing sort and grows about 3 feet high. Effective in mass planting, staying in bloom a considerable length of time. Crimson flowers. 15 cts. each, \$1.50 per doz.

Shasta Daisy

Our stock is of the new giant Shasta Daisy and forms a low-growing bush, with the flowers carried well above the foliage on stiff stems. The blooms measure 3 to 4 inches across, and have white petals with yellow centers. 15 cts. each, \$1.50 per doz.

Sweet William

Note the illustration in the lower corner. Doesn't it look pretty? Think how pretty that bed would appear in your own garden. Those fragrant little blossoms are of various shades of reds, pinks and magentas with striped sorts and, for attractiveness and beauty, are hard to beat. 15 cts. each, \$1.50 per doz.

Yucca

The illustration in the center of this page gives a splendid idea of the habit of this plant. The flowers are borne on erect stems, well up above the foliage. They are pure white and are produced in July. The foliage is long, sharp-pointed leaves of a fibrous sort. Sometimes called "Adam's Needle." 25 cts. each, \$2.50 per doz.

Stonecrop

In late summer it has purplish pink blooms of immense size; foliage is thick and light green. 15 cts. each, \$1.50 per doz.

A HARDY GARDEN as Illustrated on Page 52, for \$10

This collection consists of 100 hardy plants of the different varieties on pages 52 to 56 inclusive, and embraces a choice list, our selection of enough to make a large and effective hardy garden. No discount is allowed on this offer, and it must go by express at your expense.

Regular \$15 value—
100 assorted plants, \$10.



SWEET WILLIAM

Young's Selected Trees and Shrubs

"The branches of the magnificent maple trees meeting overhead formed a canopy over the driveway, which extended from the turnpike to the front of the old Colonial mansion. Groups of pretty flowering shrubs planted near the stone gate added to the effect. As I took a rest on a bench, placed invitingly beneath the spreading branches of a large and well-shaped elm, I realized, for the first time, how necessary was the planting of trees and shrubs to obtain that touch of hospitality and welcome to the surroundings."—From "VISITS TO COUNTRY HOMES."

Your grounds can be made just as attractive and home-like by the proper selection of trees and shrubs. Let us help you—we will tell you the right kind to plant for your particular location.

Flowering Almonds

Double Pink. Dwarf grower; very attractive. The little, button-shaped blooms are borne along a short stem and are light pink in color.

White Dwarf. It blooms in May, before the leaves appear, and the little, white blooms are very numerous.

35 cts. each, 3 for \$1

Double Altheas

The shrubs are the old-fashioned "Rose of Sharon"—old-fashioned, but never out of style. They begin to bloom about mid-summer and continue for several weeks.

Pink Beauty. Very double; deep pink; flowers of immense size.

Rubra. A pretty red; large flowers; prolific bloomer.

Purpurea. Immense, double, purple flowers of good quality.

Jeanne d'Arc. An excellent double white, and really the best Althea grown. The plant blooms freely and has no superior when used as a flowering hedge.

35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25.



HYDRANGEA PANICULATA GRANDIFLORA BLOOMS FOR WEEKS

Single Altheas

Those who think the single varieties are not so good as the double should see some of the singles in bloom. They are wonderful.

Superba. A delightful shade of pink, pleasing to the eye; effective.

Purple Queen. Grows to a medium height, being well branched, it forms excellent specimen bushes. Deep lavender-purple.

Grandiflora. Large, crimson flowers; good habit and very hardy.

Totus albus. A low, dwarf-growing Althea, having an abundance of single white blossoms.

35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25

Hydrangea paniculata grandiflora

A marvelous-growing plant, whose giant white blossoms attract considerable attention in the late summer. From white they turn to pink and then to a light brown, which color they retain until killed by frost. Our stock is exceptionally good this year, and we want you to plant one, if not more, of these pretty plants. 35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25.

Tree-Shaped Hydrangea

These are bush Hydrangeas grafted on a stem about 2 feet high. This gives it the appearance of a miniature tree, and makes a beautiful lawn specimen. 75 cts. each.

Barberry Hedge

A dwarf-growing hedge plant with thorny stems. Leaves are green in summer, but in autumn turn a red-dish brown; hundreds of red berries borne on the branches. 25 cts. each, \$2.50 per doz, \$15 per 100.

Cydonia

The Fire Bush

Dark green foliage and showy, deep scarlet flowers borne in abundance in May and at intervals during the summer. Leaves bronze-colored in autumn. 35 cts. each, 3 for \$1; larger plants, 75 cts. each.

Mock Orange

An old favorite, which is covered in June with sweet-scented, bell-shaped flowers resembling those of the campanula. 35 cts. each, 3 for \$1; larger size, 50c. ea., 3 for \$1.25.



SPIREA VAN HOUTTEI



DEUTZIA, PRIDE OF ROCHESTER



JAPANESE SNOWBALL

Dogwood · Cornus

Red Osier. In June the little, greenish white flowers appear and are followed by white berries. The dark red bark adds to its beauty.

Stolonifera. A native variety, with the bark colored a light yellow in winter.

Elegantissima. Pretty leaves, with a white border, turning to bronze in autumn.

35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25

Deutzia

Gracilis. A dwarf variety that bears snowy white flowers, of delightful fragrance, in June. It seldom exceeds 18 inches in height, and forms a dense growth.

Pride of Rochester. The best variety, growing to the height of 4 feet and covered in May with pretty, double, white flowers, tinged with pink. It excels in vigor, size of blooms and free-flowering habit.

35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25

Smoke Tree

Purple Fringe. Grows 9 feet high, and the stalks bear a fleecy purple bloom resembling smoke or mist. Attractive.

White Fringe. Has long, graceful panicles of lace-like, white flowers; extremely odd and pretty.

35 cts. each, 3 for \$1

Calycanthus

A very ornamental shrub, having chocolate-colored blooms, which are produced freely in June and at intervals thereafter. The wood of the stems has the fragrance of the pineapple. 35 cts. each, 3 for \$1.

Kerria

Globe Flower

Japonica. Produces large, double yellow flowers from June until frost. The dark green bark and leaves form a graceful shrub.

Argentea. Similar to Japonica, except that it has variegated leaves. Excellent for bordering a group of shrubs.

35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25



CALIFORNIA PRIVET. BETTER THAN A FENCE

Burning Bush

If you wish your garden to look attractive in winter, plant some of these pretty bushes. The red foliage and orange-colored berries hanging from slender threads, never fails to please the eye. 50 cts. each, 3 for \$1.25.

California Privet

This makes the best hedge plant for almost any place. Tear down the unsightly wood fence, which continually needs repairing, and beautify your place with a fence of California Privet. It can be trimmed in any desired shape or height. 24 to 36 inches, well-branched, 75 cts. per doz., \$5 per 100; 3 to 4 feet, \$1 per doz., \$7.50 per 100.

Forsythia · Golden Bell

Fortunei. The first flowering shrub in the spring. Pretty, bell-shaped, yellow blossoms borne along a brown stem.

Viridissima. A native of China. Flowers light yellow; dark green foliage.

Suspensa. Tall grower; willowy branches, covered with golden flowers, which droop gracefully.

35 cts. each, 3 for \$1

Spireas

Anthony Waterer. A constant bloomer; flowers crimson; if the flower heads are clipped off after beginning to fade, you will have blooms late in the fall. Dwarf habit.

Bumalda. Rose-colored blooms in summer and autumn; dwarf.

Callosa alba. A free-flowering white; low growth; blooms in July and August.

Prunifolia. Erect habit; double, white blossoms the entire length of branches.

Reevesi. Attains a height of 6 feet; single, white blooms borne in abundance.

Thunbergii. Blooms in April; fern-like leaves; graceful branches, with small, white flowers.

Van Houttei. The best tall sort. When in bloom a mass of white, very little foliage showing; blooms early.

35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25



WEIGELA ROSEA

Lilacs

Charles X. A strong grower; dark purplish red blossoms.

Marie Legraye. A showy and attractive bush, with its immense, pure white blooms.

Persian. As the large, lavender-colored blossoms appear on this tall-growing bush, you realize why we say it is extremely beautiful.

Vulgaris. The common Lilac, with its fragrant blossoms of lavender and white.

50 cts. each, 3 for \$1.25; extra-large specimens, 75 cts. each

Rhus · Sumach

Use this for effective planting amongst other shrubs. It is a large-growing sort and in autumn has brilliant foliage and scarlet berries. Try it, and you will be loud in its praise. 50 cts. each, 3 for \$1.25.

Snowballs

Common. Too well-known for a lengthy description; large clusters of white blooms borne in great profusion.

Japanese. Note the illustration on page 58. A free-blooming sort, as you can plainly see. Yours will produce the same results.

35 cts. each, 3 for \$1; larger plants, 50 cts. each, 3 for \$1.25

Weigelas

Candida. Large, trumpet-shaped flowers, blooming all summer.

Eva Rathke. A splendid variety; brilliant crimson flowers; one of the best Weigelas for planting in mass or as single specimens.

Rosea. A May-and-June-flowering type, with rose-colored blossoms produced in abundance.

35 cts. each, 3 for \$1; larger size, 50 cts. each, 3 for \$1.25

Golden Elder

A rapid-growing, ornamental, yellow-leaved shrub, with beautiful flowers and fruit. 35 cts. each, 3 for \$1.

Tamarix

Very hardy shrubs, with light, feathery foliage, and flowers usually of pink or red. Useful for hedging. 35 cts. each, 3 for \$1.



CATALPA BUNGEI



WEeping Willow

Magnolias

Just a touch of the Southland may be had by planting one of these in your yard.

Soulangiana. Flowers measuring 5 inches across are borne in May before the foliage makes its appearance. Color purple, touched with white. \$2.50 each.

Purpurea. A dwarf grower, having purplish pink blooms at intervals during the summer. \$3 each.

Catalpa Bungei

Dark green, oval leaves, which grow like shingles, overlapping each other. This is the Umbrella Tree, and is highly ornamental for the lawn. Try two—one on each side of the entrance. 6 to 8 feet in height, \$2 each.

Trees For Every Purpose

American Linden. Rapid grower; large leaves; pretty flowers. 8 feet high, \$1.25 each.

Mountain Ash. Feather-like leaves; clusters of berries during summer. 6 feet high, \$1.25 each.

Carolina Poplar. Good shade tree; glossy, heart-shaped leaves; rapid. \$1.25 each.

Lombardy Poplar. Foliage close to trunk; erect habit. 11 feet, \$1.25 each; larger, \$2 each.

Tulip Tree. Yellow blooms; rapid and stately grower. 6 feet, \$1 each.

Sweet Gum. A handsome variety suitable for street or lawn. 6 feet, \$1.50 each.

Sycamore. This will thrive where others fail; bark white and brown. \$1.50 and \$2 each.

Norway Maple. Wood hard; slower grower than the Silver Maple. \$1.50 each.

Silver Maple. A fast-growing shade tree; excellent. \$1.50 and \$2 each.

Wisconsin Willow. The well-known "Weeping Willow." \$1.50 each.

Golden - barked Willow. Branches a bright golden yellow. \$1.50 each.

Weeping Willow, Kilmarnock. Grafted; exceedingly graceful; ornamental. \$1 each.

Weeping Birch. Highly ornamental; pretty white bark. \$1.50 each.

Weeping Locust. Grafted 6 feet high; beautiful pink flowers in clusters. \$1.50 each.

Weeping Maple. Fine for lawns; deep-cut leaves; gracefully branched. \$1.50 each.

Weeping Mulberry. Beautiful, drooping branches; bears Mulberries of good size; ornamental. \$2.50 each, 3 for \$7.

Arborvitae. A hardy evergreen, suitable for hedges, etc. \$1 each.

Irish Juniper. Erect, tapering to top; light blue-green foliage. \$1 each.

Norway Spruce. Pyramid-shaped grower; hardy everywhere; a splendid evergreen for ornamental planting or windbreaks. \$1.50 each.



AMERICAN LINDEN

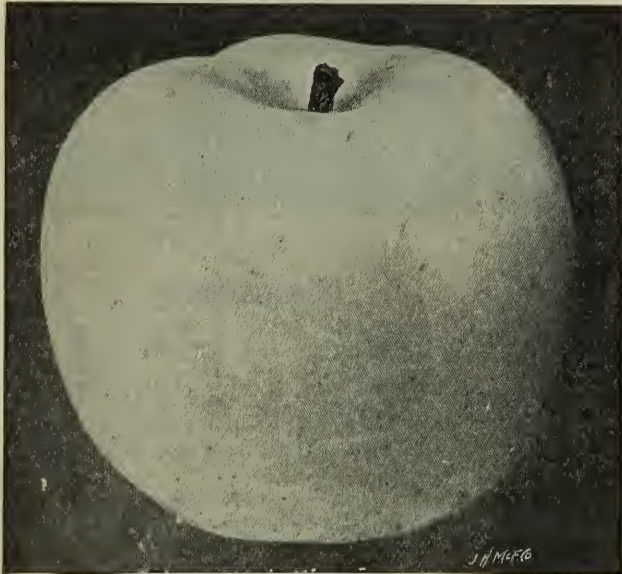
Young's Small and Large Fruits

If you have a piece of well-fertilized ground not in use, you should lose no time in turning it into profit. Fruit always finds a ready market, and if the ground is not sufficient for marketing purposes, plant a few vines and trees for your own use. The fruit always pays for itself when preserving time comes around.

In almost every issue of the many farm papers you will read of the profits from fruit-growing. The stories seem almost unreasonable, yet in most cases they are absolutely true. In Belmont County, Ohio, W. H. Sears owns an apple orchard of only one and a half acres, but in 1910 Mr. Sears harvested 800 bushels; in 1911, 350 bushels; in 1912, 795 bushels. These 1945 bushels gave Mr. Sears a net profit of \$815.01 for the three years. One frequently hears of a fruit orchard that pays from \$100.00 to \$300.00 an acre. The fact is that fruit-growing is the most profitable business that a farmer can follow, provided he gives the proper care to the trees and plants.

Every home place should have a few apple or cherry trees, berry plants and grape-vines. These require only a little attention, and this can come as a part of the ordinary garden work. You will be surprised at the amount of fruit you will get from a few trees or plants.

Our list, while not the largest in the country, contains varieties which we know will do well in this and surrounding states. Now don't put off ordering any longer, but do it now. A grape-arbor planted this year will give a good yield next year. Our stock this year is extra good, and each package sent out bears the State Certificate of Inspection, guaranteeing it to be free from all insects and diseases.



GRIMES' GOLDEN APPLE

APPLES

SUMMER VARIETIES

Early Harvest. Large fruit; partly yellow; tender and rich, solid and fine flavor. Bears in August.

AUTUMN VARIETIES

Missouri Pippin. Medium; dark purplish crimson, with stripes. It does extra well throughout the southwest, being early and prolific.

Wealthy. Good size, roundish; a very productive variety, having white flesh which is very juicy and of good taste; solid dark red.

Maiden's Blush. Large and flat-shaped; pale yellow with red cheeks. A very popular variety and productive.

Red June. Resembles Winesap, but is stronger in growth and nearly a third larger. Color a deep red.

WINTER VARIETIES

Winesap. Large, roundish; deep red; medium grower; keeps well. Trees extra-good bearers. Used extensively in the West and South.

Grimes' Golden. Note illustration. Do you notice that well-formed shape, that solid appearance and the size? The color is a golden, yellow, with spots of white; very spicy.

Ben Davis. Handsome red, white-striped. A profitable market variety.

Prices of the above Apples, 5 to 7 feet, 35 cts. each, 3 for \$1, 25 for \$6

CRAB APPLES

Hyslop. Dark crimson, with bloom; very showy. Popular on account of its hardness.

Whitney's No. 20. Very large; green, striped and splashed with light red. Has a delightful flavor and is extremely juicy.

5 to 7 ft., 50 cts. each, 3 for \$1.25

APRICOT

Extra-large, yellow fruit, with an orange cheek. The variety we offer is very rich and delicious. Plant one of these splendid trees. 50c. each, 3 for \$1.25.

BLACKBERRIES

Eldorado. Very hardy and vigorous; berries large, borne in immense clusters and ripen well together. Very sweet and delicious.

Early Harvest. A large-berried sort, which ripens early. Has an abundance of fruit and is very desirable.

Mersereau. Bears immense quantities of large-sized fruit. Very hardy and sweet.

Rathbun. Very productive, producing short, stocky canes. Extra-size berries of good quality.

10 cts. each, \$1 per doz., postpaid; \$4 per 100

CHERRIES

All the following varieties are sour, except Governor Wood.

Early Richmond. Medium grower; red; early, hardy and immensely productive. We sell hundreds of this sort.

Dyehouse. Ripens June 1, being an early and a sure bearer; light red.

Governor Wood. Large, light red and yellow fruit of delicious flavor, being very sweet.

Montmorency Ordinaire. Large; red; acid; exceedingly productive. Last of June.

Black Heart. Good-sized, black, firm fruit of excellent quality; fine keeper and shipper.

Well-branched trees, 50 cts. each, 3 for \$1.25



BLACKBERRY, EARLY HARVEST

GOOD-GROWING GRAPES

Agawam. Berries very large, with thick skin; pulp soft, sweet and sprightly; very vigorous; ripens early.

Campbell's Early. Vine healthy, hardy, vigorous and a profuse bearer; Grapes nearly black; bunch and berry large and handsome.

Concord. The well-known standard dark blue variety; succeeds wherever Grapes will grow. Strong, 2-year-old vines, 15 cts. each, 50 cts. for 4, \$1.50 per doz.

Delaware. Bunches small; compact-shouldered; berries small, round; skin thin; light red; flesh very juicy.

Diamond. The leading early white Grape, ripening before Moore's Early. White, with rich yellow tinge; juicy; few seeds, almost free from pulp; excellent quality.

Empire State. Very large bunch; medium-size berries; juicy, sweet, rich; fruit is good for a long time.

Green's Early. White; bunch and berry medium; very compact; strong, healthy.

Martha. Bunches and berries of medium size; greenish white with a thin bloom; flesh tender, juicy, sweet and rich; vine hardy and productive. Ripens with Concord.

Merrimac (Rogers' No. 19). One of Rogers' best black Grapes; bunch very large; berries large; flesh sweet, tender.

Moore's Early. Bunch large; berry round with heavy bloom; vine exceedingly hardy. Desirable for an early market.

Niagara. The great white Grape, perhaps the most valuable of its kind wherever introduced. Bunches large and compact; color, pale green at first, changing to pale yellow when ripe.

Pocklington. Bunch and berries large; when fully ripe a light, golden yellow; juicy, tender, sweet.

Salem (Rogers' No. 531). Red; bunch and berry very large; healthy, hardy and vigorous; early; good keeper.

Wilder (Rogers' No. 4). Almost black when ripe; covered with a very light bloom; flavor sweet and rich; vine of vigorous growth and very productive.

Worden. Black; handsome, compact bunch; three weeks earlier than Concord.

Wyoming. Vine very hardy, healthy and robust, with thick, leathery foliage; similar to Delaware, but brighter color.

Price of the above Grapes, except Concord, 20 cts. each, \$2 per doz.



CAMPBELL'S EARLY GRAPE

ST. REGIS EVERBEARING RASPBERRY

We have eaten fruit of this variety in October, and are in a position to vouch for its splendid fruiting quality. It was rich and juicy and of good size. You should give this a trial. 25 cts. each, \$2.50 per doz.

RED RASPBERRIES

Columbian. Large, purple fruit of firm substance. Very prolific and stands first as regards canning, preserving, etc. Plants are very hardy and bear a large amount of fruit.

Cuthbert. A remarkably strong variety, bearing large, crimson berries. Very hardy and medium late.

King. A new variety. Berries are firm and are produced early in abundance.

15 cts. each, \$1 per doz., \$4.50 per 100



BARTLETT PEAR

BLACK RASPBERRIES

Gregg. One of the leading black sorts. Very productive and in great demand.

Cumberland. The largest black sort known. In hardiness, size and productiveness it is seldom equaled. In many city markets it is considered the best variety. Does not have a hard core.

Kansas. Vigorous and hardy grower, about the size of Gregg, but more prolific and has very little bloom. A good keeper, making it desirable for marketing.

Munger. The dry weather does not affect this variety to any extent, which has caused it to be grown in sections where there is little rain. Fruit large and sweet, and firm enough to ship well.

10 cts. each, 75 cts. per doz., \$4 per 100

GROW STRAWBERRIES FOR PROFIT

People are beginning to realize the money to be made in raising Strawberries for the market. Large hotels in the big cities use an enormous quantity of selected fruit, and there is always a steady demand for the delicious berries.

All the varieties listed herewith are "perfect" sorts and require no other kinds planted to make them produce fruit.

Aroma. Immense, bright red berries of splendid substance; good bearer. A variety that is in high favor with growers in the middle west.

Bridgeton Beauty. Originated in Missouri, and well adapted to this and surrounding states. Large-berried and very free-fruited; extremely early.

Gandy. A reliable late variety. Berries are bright crimson and very delicious. Try this one for your home use.

Wm. Belt. For table or market use this variety is exceptionally good. A mid-season giant berry of good crimson, firm, extra-good flavor, and a fruit that attracts the buyer who is looking for something above the average.

75 cts. per doz., \$1.25 for 25, \$3 per 100. Remember these are pot-grown and have extra-good, strong roots

SIX GOOD CURRANTS

Black Victoria. Bush strong and vigorous; very productive; large fruit.

Cherry. Sometimes more than 1/2 inch in diameter; bunches short; free-bearing.

Fay's Prolific. The best market variety. Extra-large stems; berries medium.

Perfection. Berries are large and produced in immense clusters.

White Grape. Very large; yellowish white; sweet and of excellent quality for the table.

White Imperial. Bush vigorous and very productive. A splendid variety to grow.

20 cts. each, \$2 per doz.

PEARS

Bartlett. Rich; yellow with pink cheek; buttery and of splendid taste. August.

Duchesse d'Angouleme. Extra large, sometimes weighing a pound. A heavy bearer and sweetly flavored.

Garber. Resembles Kieffer, but ripens earlier.

Flemish Beauty. Pale yellow, brown cheek. Should be gathered and house-ripened. Sugary, juicy and rich.

Kieffer. Early; large and heavy bearer. Excellent for preserving.

Koonce. Handsome, good-sized fruit, profitable on account of its earliness.

Seckel. A most delicious little Pear; yellowish brown with pink cheeks.

6 ft., 50 cts. each, 3 for \$1.25.

PLUMS

German Prune. Large; dark purple. September.

French Damson. Fine for preserving; abundant bearer.

Lombard. A medium, violet-red, leading market sort.

Red June. An upright-growing tree; very productive; fruit vermilion-red.

Wild Goose. Very juicy and sweet; deep red, with purplish bloom; rapid grower.

Newman. A good, hardy type, with violet-red fruit.

5 to 7 ft., 40 cts. each, 3 for \$1



CHAMPION PEACH

GOOSEBERRIES

Downing. A large, handsome fruit. Green when ripe.

Houghton. Wonderfully productive; a mass of medium-sized berries.

Red Jacket. American origin. Very hardy and prolific.

15 cts. each, \$1.50 per doz.

QUINCE

Apple, or Orange. Large, roundish, with a short neck; a bright golden yellow. Tree has slender branches. October. 50 cts. each, 3 for \$1.25.

PEACHES

Crawford's Early. Very large; yellow, with red cheek; productive and extremely popular for market. Ripens middle of August.

Crawford's Late. Superb; yellow and red. Like preceding, but two weeks later.

Champion. Very large, handsome; creamy white, with red cheek; sweet, rich, juicy, freestone. Hardy and productive. Ripens middle of July.

Greensboro. The largest and most beautifully colored of all the early varieties; flesh white, juicy and good. A variety that has been in great favor in southern orchards and markets. Ripens in July.

Elberta. An exceedingly large, high-colored yellow Peach; juicy, well-flavored; one of the finest and most famous yellow freestone Peaches in existence. Ripens in August.

Heath Cling. Very large; flesh white, juicy and melting; good keeper and shipper.

Carpenter Cling. Fruit large size, heart-shaped; skin yellow and amber, with bright red blush; flesh very firm and juicy, with a delicious flavor.

Gold Dust. Very large; yellow, with a red cheek; flesh yellow, buttery, rich, sweet, and of the highest flavor. Ripens end of August to middle of September.

5 to 7 ft., 35 cts. each, 3 for \$1, 12 for \$3

These are the Sprayers that Get Results

BUY THE "KANT-CLOG" SPRAYER. COSTS MORE. WORTH MORE

Its Big Features Described and Explained



Kant-Klog Sprayer



The Nozzle .



The Tank . .



The Air Pump

The only Nozzle that can be cleaned without stopping the spray; a round or flat spray at your command; solid brass. A pressure of the thumb starts the spray. Remove it, and the spray stops instantly.

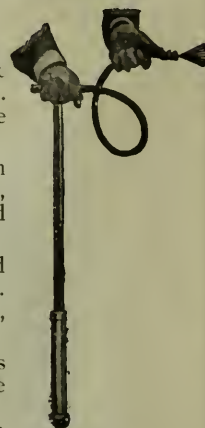
The Tank is made of heavy galvanized steel, top and bottom dome-shaped and joined to the body under heavy pressure, making complete double seam. The brass-model tank is of solid brass.

Made of heavy brass; a few strokes give you a powerful and elastic force, which will give you the best continuous spray. Diameter 2 inches, easily worked; hose couplings of solid brass, ends heavily ribbed to prevent coming off.

This Pump is the simplest Pump on the market and the best. It holds four to five gallons of solution, and can easily be carried on the shoulder by strap or wheeled in a cart. Suitable for using all liquid solutions, whitewash, etc.

These Sprayers are shipped on approval to responsible persons, and if not all we claim for it, send it back at our expense and get your money.

Galvanized Steel, \$5; Solid Polished Brass, \$6.50

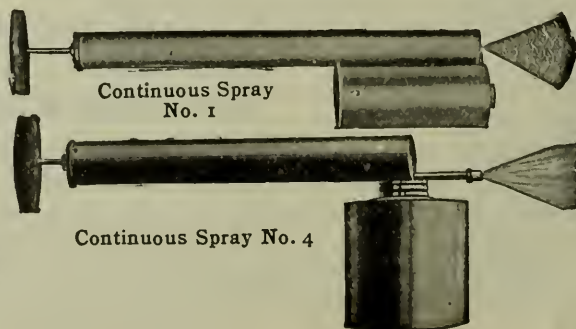


Junior Spray Pump, No. 5

Two Excellent Low-priced Sprayers

No. 1. A well-jointed tin pump barrel, 1½ inches in diameter. The liquid tanks are of tin, and have a capacity of one quart. 50 cts.

No. 4. The tank screws onto the pump, but to refill, a cork in the tank does away with removing the tank each time. Capacity one quart; barrel 1¾ inches in diameter. 75 cts.



Continuous Spray No. 1

Continuous Spray No. 4

The "Junior" Spray Pump, No. 5

Requires no fastening of any sort. An all-brass Pump. All that is necessary to do is push the plunger down, the machine does the rest. New spring device. All brass valves, doing away with leather or rubber packing. Weight about four pounds. A mighty handy Pump and is ready for use anywhere at almost any time. \$3.50.

Ten Methods of Destroying Bugs and Blights

HAMMOND'S SLUG-SHOT. A light, composite, fine powder, easily distributed by duster, bellows, or in water by spraying. Thoroughly reliable for killing currant worms, potato bugs, cabbage worms, lice, slugs, etc., and also strongly impregnated with fungicides. Cheapest and most effective remedy. Needed in every garden in America, during the growing time, to kill bugs and save foliage. We sell large quantities of Slug-Shot every year, and know it gives satisfaction to our customers. 1-lb. carton with perforated top, 15 cts.; 5- and 10-lb. bags, 6 cts. per lb.; 25 to 50 lbs. at 5 cts. Postage extra at parcel-post rates. "Bugs and Blights," an illustrated 24-page book, free.

BORDEAUX MIXTURE. Ready for use by simply adding water and stirring. One gallon will make 50 gallons liquid. Can be used just as needed. Every potato-grower realizes the importance of spraying for blight with Bordeaux Mixture. 1 qt. 40 cts., gal. \$1.

SULPHO-TOBACCO SOAP. A wonderful insect pest exterminator. Unsurpassed for quickly exterminating all insect life on plants and flowers in- and out-of-doors. Excellent for rose bushes, shrubs, plants, etc. Use one ounce of soap to one-half gallon of water, and spray on plants. 3-oz. cake, 10 cts., postpaid, 13 cts.; 8-oz. cake 20 cts., postpaid, 28 cts. Free with order for Sulpho-Tobacco Soap we will, if asked for, enclose a booklet, "The Window Garden," by Eben E. Rexford, giving valuable information on the cultivation of plants and the extermination of insects.

HELLEBORE POWDER, WHITE. We furnish a pure, fresh, very effective powder. One of the best insecticides for rose slugs, currant worms, green fly, and other insects. ¼-lb. pkg. 15 cts., lb. pkg. 25 cts.

PARIS GREEN. A poisonous insecticide in powder form, for insects which chew. When applied as a powder, use one part Paris Green to 100 parts of plaster or flour. As a liquid, one pound Paris Green in 150 to 300 gallons water, if used on, fruit trees, add one pound quick-lime. ¼lb. 15 cts., lb. 25 cts., 5 lbs. \$1.10.

YOUNG'S INSECT DESTROYER. We give this insecticide our fullest indorsement. It has now been on the market seven years, and the sale is rapidly increasing. It is a non-poisonous powder, and can be applied dry just as it came from the package, or it can be mixed with water and sprayed on vines with any of the sprayers on the market. Directions with every package. ¼-lb. pkg. 25 cts.

FLOWERS OF SULPHUR. Prevents and cures mildew on roses, grape-vines, etc. Apply with gun or bellows. Lb. 10 cts. 5 lbs. 40 cts., 10 lbs. 70 cts.

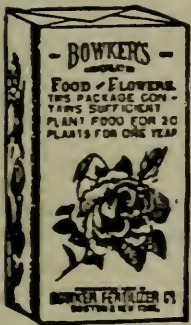
TOBACCO DUST. A remedy for green fly. 5-lb. pkg. 25 cts., 10-lb. pkg. 40 cts.

NIKOTEEN. All private gardeners recommend this liquid for spraying or vaporizing. Will destroy all insects which infest plants or flowers. It is composed of that element in tobacco which gives it its value as an insecticide and nothing else. Pt. pkg. \$1.50.

HAMMOND'S GRAPE DUST. Kills mildew on chrysanthemums, roses, violets, grapes, gooseberries, etc. It also kills the green and black fly. It is a readily diffusible, light-weight powder fungicide, very efficient in destroying mildews and in preventing blights; also for destroying the aphid and black fly. 5-lb. pkg. 35 cts.

Feed Your Plants With Our Fertilizers

In this day of intensive farming the need of good fertilizers is imperative. We have had this in mind when selecting the ingredients which compose our own brands, and required it of those brands which we purchase from others.



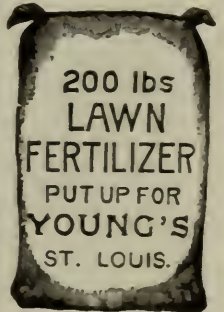
YOUNG'S BONE MEAL. This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid. It is made from bone accumulated in large slaughter-houses. Price: 5 lbs. 25 cts., 10 lbs. 50 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25, 200 lbs. \$3.90.

YOUNG'S HIGH-GRADE TRUCK AND FARM MANURE. This is our best brand of concentrated manure, suitable for lawns and flowers as well as vegetables. It is of exceptional value and will prove a money-maker to every farmer or gardener that uses it. 25 lbs. 70 cts., 50 lbs. \$1.25, 100 lbs. \$2.40, 200 lbs. \$4.60, 500 lbs. \$11.25.

YOUNG'S PURE SHEEP-MANURE. This is a pure, natural manure, and the most nutritious food for plants. Its effect is immediate, much more lasting and healthful than guano or any other manure. It is the best of all manures for mixing with the soil for greenhouse plants. It makes the richest, safest and quickest liquid manure, rivaling guano, without any deleterious effects. For flower- or vegetable-gardens, and as top-dressing for lawns it is unequaled. 5 lbs. 25 cts., 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.25.

POTTING SOIL. We have had a mixture prepared that will be suitable for almost all kinds of plants. It is made up of clear sod loam with the right proportion of rotten manure, leaf-mold and good, sharp sand. Bus. 75 cts., bbl. \$1.50.

BOWKER'S FOOD FOR FLOWERS. A fertilizer free from odor, clean to handle. Made expressly for flowers grown in the house or garden, producing a healthy, luxuriant growth and induces early and generous flowering. It can not in any way harm the plants if applied according to directions, which accompany every package. Small package, 15 cts.; by mail, 25 cts.; large package, enough for 20 plants for six months, 25 cts., by mail, 40 cts.



Garden Tools • Flower-Pots • Supplies

While, of course, one can get along without the proper tools and implements used in gardening, he will also find that the purchase of the necessary ones will more than repay him for the money expended. In regard to receptacles in which to grow plants, we wish to call attention to our line of flower-pots. Use them whenever needed, as the plants do much better than in tin cans.

Flower-Pots.—

Size	Doz.	100
2 inch.....	\$0 10	\$0 60
3 inch.....	15	1 15
4 inch.....	25	1 40
5 inch.....	35	2 50
6 inch.....	50	4 00
Each	Doz.	
7 inch.....	\$0 10	\$1 00
8 inch.....	15	1 50
9 inch.....	20	2 00
10 inch.....	25	2 50
12 inch.....	40	4 50

Waters' Tree Pruners. The best Pruner on the market; cuts limbs to ¾-inch diameter. 8 feet..... \$1 00
10 feet..... 1 15
12 feet..... 1 25
Shears, Hedge, with notch. 8-inch... 1 40
9-inch..... 1 65
Grass or Border, steel..... 35

Shears, continued	Each
Lee's Pruning. 7-inch.....	\$0 85
8-inch.....	1 10
9-inch.....	1 30
Trowels. Postage extra, 5 cts. each.	
Ordinary. 6-inch.....	15
Solid steel. 7-inch.....	50
Spades. Size 7¼ x 11¼. D-handle, or long handle.....	1 00
Sprinklers. Scollay's Rubber. Indispensable for floral work and window gardening. Two sizes, 75c. and 1 00	
Angular. For spraying under the leaves of plants.....	1 25
If ordered to be sent by mail, add 10 cts. to the preceding prices.	
Spading Fork. D-handle, angular tines.....	1 00
Shovels. Size 9¼ x 11¼. D-handle or long handle.....	1 00

Wheelbarrow. Painted red, with black wheel.....	Each \$3 50
Weeders. Excelsior.....	10
Eureka.....	25
Cleveland.....	75
Plant Tubs. Made of 8-inch cy-press, painted green—	
No. 1, 12-inch diameter.....	1 00
No. 2, 14-inch diameter.....	1 30
No. 3, 16-inch diameter.....	1 80
No. 4, 18-inch diameter.....	2 40
No. 5, 20-inch diameter.....	3 00
Wire Folding Plant Stands—	
One Tray, No. 22, size 10 x 24.....	1 50
Two Trays, No. 20, size 7½ x 30.....	2 75
Three Trays, No. 20, size 7½ x 30.....	3 75
Mole Trap. Operated by either spring or weight or both.....	1 50
Never-Break Rake. 12-teeth.....	50
14-teeth.....	70
Grass Hooks (Sickles). Riveted back.....	50

Index

Flower Seeds		PAGE	Field Seeds		PAGE
Ageratum.....	23		Clover.....	20, 21	
Alyssum.....	23		Corn, Kaffir.....	19	
Antirrhinum.....	23		Corn, Seed.....	19	
Aquilegia.....	23		Cowpeas.....	19	
Asters.....	22, 23		Grass Seed.....	20, 21	
Aster, Cornflower.....	31		Lawn Grass Seed.....	20	
Baby's Breath.....	27		Rape.....	19	
Balloon Vine.....	23		Sugar-Cane.....	19	
Balsam.....	23		Sunflower.....	19	
Bean, Butterfly Runner.....	23				
Bellflower.....	24				
Bellflower, Chinese.....	31				
Black-eyed Susan.....	33				
Blanket Flower.....	27				
Calendula.....	24				
Calliopsis.....	25				
Campanula.....	24				
Canary Bird Vine.....	23				
Candytuft.....	24				
Canna.....	24				
Canterbury Bells.....	24				
Carnations.....	25				
Castor-Oil Bean.....	31				
Celosia.....	25				
Centaurea.....	25				
Chrysanthemum.....	24				
Cobaea.....	24				
Cockscomb.....	25				
Columbine.....	23				
Coreopsis.....	25				
Cornflower.....	25				
Cosmos.....	24				
Cucumber, Wild.....	26				
Cup and Saucer.....	24				
Cypress, Summer.....	27				
Cypress Vine.....	24				
Dahlias.....	26				
Daisy, English.....	25				
Daisy, Shasta.....	25				
Delphinium.....	26				
Dianthus.....	26				
Digitalis.....	26				
Dolichos.....	25				
Dusty Miller.....	25				
Echinocystis.....	26				
Eschscholtzia.....	26				
Feverfew.....	31				
Fire Bush.....	27				
Floss Flower.....	23				
Forget-me-not.....	26				
Four-o'-Clocks.....	28				
Foxglove.....	26				
Gaillardia.....	27				
Gilliflower.....	31				
Globe Amaranth.....	27				
Gourds, Ornamental.....	27				
Gypsophila.....	27				
Helianthus.....	27				
Heliotrope.....	27				
Hibiscus.....	27				
Hollyhock.....	27				
Hop, Japanese.....	28				
Humulus.....	28				
Hyacinth Bean.....	25				
Ice Plant.....	28				
Indian Shot.....	24				
Ipomoea.....	28				
Jack-and-the-Bean-Stalk.....	28				
Kochia.....	27				
Kudzu Vine.....	28				
Lantana.....	28				
Larkspur.....	26, 28				
Lathyrus, Hardy.....	28				
Lobelia.....	28				
Love-in-a-Mist.....	30				
Love-in-a-Puff.....	23				
Marigold.....	28				
Marigold, Pot.....	24				
Marshmallow.....	27				
Marvel of Peru.....	28				
Maurandia.....	28				
Meseimbryanthemum.....	28				
Mignonette.....	28				
Moonflower.....	28				
Mormordica.....	28				
Morning-Glory.....	28				
Morning-Glory, Brazilian.....	28				
Nasturtiums.....	29				
Nicotiana.....	30				
Nigella.....	30				
Pansies.....	30				
Periwinkle, Madagascar.....	33				
Petunias.....	30				
Phlox.....	31				
Pinks.....	26				
Platyodon.....	31				
Poppies.....	30				
Poppy, California.....	26				
Portulaca.....	30				
Pyrethrum.....	31				
Reseda.....	28				
Ricinus.....	31				
Rose, Moss.....	30				
Roses.....	34-39				
Sage, Scarlet.....	31				
Salvia.....	31				
Scabiosa.....	31				
Setosa.....	28				
Smilax.....	31				
Snaptadragon.....	23				
Stocks.....	31				
Stokesia.....	31				
Sunflower.....	27				
Sweet Peas.....	28, 32, 33				
Sweet Sultan.....	25				
Sweet William.....	31				
Thunbergia.....	33				
Tobacco Plant, Sweet-scented.....	30				
Touch-me-not.....	23				
Verbena.....	33				
Vinca.....	33				
Violet.....	33				
Wallflower.....	33				
Wild Garden Seed.....	33				
Zinnia.....	33				
Vegetable Seeds		PAGE	Plant Department		PAGE
Asparagus.....	3, 21		Abutilon.....	40	
Beans, Bush.....	4		Acalypha.....	40	
Beans, Lima.....	4		Ageratum.....	40	
Beans, Pole.....	4		Alternantheras.....	40	
Beets.....	5		Alyssum.....	40	
Beet, Spinach.....	5		Aquatic Plants.....	47	
Beets, Sugar.....	5		Araucaria.....	50	
Borecole.....	10		Asparagus, Ornamental.....	50	
Broccoli.....	5		Aspidistras.....	50	
Brussels Sprouts.....	5		Begonias.....	40	
Cabbage.....	6, 21		Box Tree.....	51	
Cantaloupe.....	12		Caladiums.....	41	
Carrots.....	7		Callas.....	41	
Cauliflower.....	6, 21		Cannas.....	42	
Celeriac.....	7		Carnations.....	41	
Celery.....	7, 21		Chrysanthemums.....	43	
Celery, Turnip-rooted.....	7		Cigar Plant.....	41	
Chard, Swiss.....	5		Coleus.....	41	
Chicory.....	8		Crown of Thorns.....	41	
Chives.....	9		Dahlias.....	42	
Corn, Pop.....	8		Daisy, Marguerite.....	46	
Corn, Salad.....	8		Dracena.....	50	
Corn, Sweet or Sugar.....	8		Elephant's Ear.....	41	
Cress.....	7		Ferns.....	50	
Cucumbers.....	9		Fuchsia.....	45	
Dandelion.....	10		Geraniums.....	44	
Eggplant.....	10, 21		Gladiolus.....	45	
Endive.....	10		Heliotrope.....	45	
Fetticus.....	8		Hibiscus.....	45	
Gumbo.....	10		Hyacinth, Water.....	47	
Horse Radish.....	21		Hydrangea.....	45	
Kale.....	10		Impatiens.....	45	
Kohlrabi.....	10		Jessamines.....	45	
Leek.....	10		Lantanas.....	46	
Lettuce.....	10		Lemon, Ponderosa.....	46	
Mint.....	21		Lily, Panama.....	45	
Mushroom Spawn.....	11		Nymphaea.....	47	
Muskmelons.....	12		Orange Otaheite.....	46	
Mustard.....	11		Palms.....	51	
Okra.....	10		Pandanus.....	51	
Onion Seed.....	13		Pansy Plants.....	46	
Onion Sets.....	13		Parrot's Feather.....	47	
Parsley.....	14		Pelargonium.....	44	
Parsnips.....	13		Periwinkle.....	47	
Peanuts.....	15		Petunias.....	46	
Peas.....	14		Rubber Plant.....	51	
Pepper Grass.....	7		Salvia.....	47	
Peppers.....	15, 21		Tuberose.....	47	
Pie Plant.....	16		Umbrella Plant.....	47	
Potatoes, Seed.....	15		Verbenas.....	47	
Pumpkins.....	15		Wax Plant.....	47	
Radishes.....	16		Zebra Plant.....	51	
Rhubarb.....	16				
Rutabaga.....	18				
Salsify.....	17				
Sorrel.....	17				
Spinach.....	16				
Squash.....	17				
Sweet Potato Plants.....	21				
Tomatoes.....	17, 18, 21				
Turnips.....	18				
Turnip, Swedish.....	18				
Vegetable Oyster.....	17				
Watermelons.....	12				
Herbs		PAGE	Vines		PAGE
Anise.....	18		Ampelopsis.....	48	
Basil.....	18		Bignonia.....	48	
Borage.....	18		Cinnamon Vine.....	48	
Coriander.....	18		Clematis.....	48	
Dill.....	18		Grave Vine.....	48	
Fennel.....	18		Honeysuckles.....	49	
Lavender.....	18		Ivy.....	48	
Marjoram, Sweet.....	18		Kudzu Vine.....	49	
Rosemary.....	18		Lantana.....	49	
Sage.....	18		Madeira Vine.....	49	
Savory.....	18		Maurandia Vine.....	49	
Thyme.....	18		Moneywort.....	49	
Flowering Shrubs and Trees		PAGE	Hardy Flowering Plants		PAGE
Almonds, Flowering.....	57		Achillea.....	52	
Altheas.....	57		Aquilegia.....	53	
Barberry.....	57		Asters.....	52	
Burning Bush.....	58		Bleeding Heart.....	54	
Calycanthus.....	58		Campanula.....	53	
Catalpa.....	59		Cardinal Flower.....	53	
Cornus.....	58		Cathedral Bells.....	53	
Cydonia.....	57		Columbine.....	53	
Deutzia.....	58		Coreopsis.....	53	
Dogwood.....	58		Daisies, English.....	53	
Fire Bush.....	57		Daisy, Shasta.....	56	
Forsythia.....	58		Delphinium.....	53	
Globe Flower.....	58		Dianthus.....	54	
Golden Bell.....	58				
Golden Elder.....	59				
Hydrangea.....	57				
Kerria.....	58				
Lilacs.....	59				
Magnolias.....	59				
Mock Orange.....	57				
Privet, California.....	58				
Rhus.....	59				
Smoke Tree.....	58				
Snowballs.....	58				
Spireas.....	58				
Sumac.....	59				
Tamarix.....	59				
Weigelas.....	59				
Shade and Ornamental Trees		PAGE	Fruit Trees and Small Fruits		PAGE
Arborvitae.....	59		Apples.....	60	
Ash, Mountain.....	59		Apricots.....	60	
Birch.....	59		Blackberries.....	60	
Juniper.....	59		Cherries.....	60	
Linden.....	59		Crab Apples.....	60	
Locust, Weeping.....	59		Currants.....	61	
Maple.....	59		Gooseberries.....	62	
Mulberry, Weeping.....	59		Grapes.....	61	
Poplar.....	59		Peaches.....	62	
Spruce, Norway.....	59		Pears.....	62	
Sweet-Gum.....	59		Plums.....	62	
Sycamore.....	59		Quince.....	62	
Tulip Tree.....	59		Rasperry.....	61	
Willow.....	59		Strawberry.....	61	
Fertilizers.....		PAGE	Tools and Garden Requisites.....		PAGE
62			63		
Sprayers.....		PAGE	Vegetable Roots and Plants.....		PAGE
62			21		

1406 Olive Street, ST. LOUIS, MO.

C. YOUNG & SONS CO. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs or Plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

<p>Your Name _____ Write in ink very plainly</p> <p>Post Office _____</p> <p>County _____ State _____</p> <p>Street, P. O. Box or Rural Delivery _____</p> <p>Express Office _____ <small>If different from Post Office.</small></p>	<p>Date _____ 1914</p> <p>AMOUNT ENCLOSED</p> <p>Money Order . \$ _____</p> <p>Draft or Check . \$ _____</p> <p>Postage Stamps \$ _____</p> <p>Cash \$ _____</p>	<p>Our Order No. _____</p> <p>Please do not write here</p>
--	---	--

Please forward goods by { Mail, Freight }
or Express { _____ } Date you wish your order shipped _____

[illegible]

NEW DWARF NASTURTIUMS

Giant - Flowering

THESE grand bedding Nasturtiums are brilliant in the extreme. They produce large flowers of the most gorgeous hues in wonderful abundance. They begin to flower early in the summer, and are a mass of bloom until killed by the frost.

No other flowers make such gorgeous bouquets, and they will last for several days after cutting. Cut the flowers every day, and the number and size of the blooms will astonish you.

The plants are strong and vigorous, growing very quickly, seldom get over a foot in height, and produce erect bushes, which are literally smothered with showy blossoms. The foliage is mostly dark green, but ranges on the different plants from light green to deep blue-green.

The plants will grow anywhere; even in poor soil you will have as many of the striking and showy flowers as when the seed is sown in good soil, but the plants will not be so large.

This collection of eight varieties (listed on page 29) is made up from the best named varieties, each sort in a separate packet. We will send the complete collection of the eight varieties, one packet of each, postpaid, for 25 cents.



YOUNG'S GARDEN BOOK

SEASON OF 1914



Cosmos and Sweet Peas are two of the most desirable annuals. Plants of Cosmos will grow from 4 to 6 feet high, and bear quantities of delicate flowers from July until late autumn. For complete list, see page 24.

The Spencer Sweet Peas are far and away ahead of the old type of flower. The blossoms have fluted edges, borne on long stems, and usually have four flowers to a stem. See page 32 for special list and prices.

ESTABLISHED 1865

INCORPORATED 1887

YOUNG'S SEED STORE

1406 OLIVE STREET

ST. LOUIS, MISSOURI